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alkaline metals { Potassium
Sodium
Ammonium
Lithium

Potassium salts are more easily absorbed
better diuretics than sodium salts.
Sodium salts are > osmotic &
better purgatives.

Arumoricum is a general stimulant

metals of alk. earths $\left\{ \begin{array}{l} \text{Calcium} \\ \text{Magnesium} \\ \text{Zinc} \\ \text{Aluminium} \end{array} \right.$

Magnesia + MgCO₃ resemble K₂Na₂

Alum. - Ca salts are mild astringents

Uman is an evasive

Some water is automatic.

Pb
Ag.
Zn
Cu
Ba

} Salts are powerful astringent

It would pharmacologically fall into this

Pt - lts are local sedatives

Arg. more powerfully causes than
The Clc. is a powerful cause.

Conto 44

In salt - T' T. H. 200"

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2092 = 1 sample 3

Alkaline Metals { Potassium
Sodium
Ammonium
Lithium

Potassium salts are more easily absorbed
better diuretics than sodium salts
Sodium salts are > depressant &
better purgatives.

Ammonium is a general stimulant

Metals of Alk. earths { Calcium
Magnesium
Barium
Aluminium

Magnesia & Magnes resemble K & Na &

Alum & Ca salts are mild astringents

Alum is an astringent

lime water is antacid.

Pb
Ag.
Zn
Cu
Ba } Salts are powerful astringents

All would pharmacologically fall into this

Pb & Alts are local sedatives

Ag. more powerfully caustic than
Zn Cl₂ is a powerful caustic.

CuSO₄

Zn salt

" " " " " " " "

Fe {
mn }

An {
Hg }

As {
Sb {
Cr } .. little used

Cl {
I { Powerful disinfectants & irritants,
Br }

Alcohol {
CS₂ {
Ether }

Hypnotics

Chloral
araldehyde -- not depressant
Sulphonal - does not depress heart.
Lamylene hydrate - not depressant.
Trional

Antipyretic & Analgesic

Acetanilid
Antipyrin
Phenacetin - Slightly depressant
Eucalyptin
Socotphenin
Phenocoll hydrochloride
Mallin sulphate - danger

Antiseptics

Carbolic Acid = Phenol	$\frac{1}{2}$ - 1 qt.
Cresote	$\frac{1}{2}$ - 2 m
Quaiasol - 60-90% Cresote	2 - 10 "
Cresote carbonate 92% "	15 - 60 "
Quaiasol Benzate	2 - 10 "
" Carbonate	4" - 30"
" Salicylate	5" - 30"
Creolin	1 - 5 "
Lysol	
Iodoform - about 96% I	1 - 3 qt.
Aristol 45% I	
Iodol 88% I	$\frac{1}{2}$ - 3 qt
Europhen 27% I	
Naphthalin	} ^{very} antiseptic
Naphtol	
Asafrol	
Resorcin	1 - 20"
	1 - 20"
	15 - 60.
	2 - 5.
Formaldehyde	
Saccharin - not used as antiseptic	
Methylene blue	

Drugs acting on Resp. Organs

Squill
Senega
Sanguinaria
Opium
Lobelia

Acting on the Heart

Digitalis Group.

Digitalis
Squill
Strophanthus
Convallaria
Scopolamine
Adonis
Apoecynum

Aconite Group

Aconite
Veratrum
Veratrine

{ Cactus grandiflorus

Atropine Group

Atropine
Hyoscyamine
Hyoscyne
Hatterine
Scopolamine
Duboisine

Salicylic Group

Salicin 5-30
Salicylic Ac. 5-60
Na Salicylate 5-60
Aspirin 5-60
Ethinum Salicylate 1-15
Glynnum Salicylate 1-15
Salol (Phenyl ..) 5-30
Methyl Salicylate 1-5 n
Oleum Guaiacis 1-5
.. Betulae 1-5
Salophen 5-15
n n Sal. 4 gr

A SYLLABUS
OF
MATERIA MEDICA

COMPILED BY
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Lane 1900

NEW YORK
WILLIAM WOOD & COMPANY
1899

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orymus

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1898

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NEW YORK.

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PREFACE.

An experience of several years in actual class-room work has convinced the author that *Materia Medica* is one of, if not quite, the most difficult subject to acquire in the field of medicine. Its study from the medical standpoint cannot rest upon a rational basis until the student is brought face to face with the patient at the bedside. Except in its application, *Materia Medica* is solely a matter of memory and must be learned and re-learned many times. Accordingly the attempt is here made to assist the memory as much as possible by condensing the facts, repeating the doses, and by grouping the drugs in various ways.

Some of the more unimportant drugs have been omitted. It is to be regretted that the pruning process could not have been more radical.

It is specially intended that the present volume shall not take the place of, but be supplementary to, text books.

The doses adopted have been taken from White's "*Materia Medica and Therapeutics*." The author wishes to acknowledge his indebtedness to the same volume for the majority of facts here incorporated, and to Messrs. William Wood & Co. for their courtesy and liberality in resetting much of the matter in order to determine upon the form best suited to the text.

5 WEST THIRTIETH STREET.

November 1st, 1898.

108659

TABLE OF CONTENTS.

	PAGES
I.—SCHEMA FOR STUDYING THE ACTIONS AND USES OF DRUGS.....	1- 3
II.—SYLLABUS OF THE ACTIONS AND USES OF DRUGS.....	4- 93
III.—THE MORE IMPORTANT PREPARATIONS,	94-111
IV.—CLASSIFICATIONS OF DRUGS, BASED CHIEFLY ON PHYSIOLOGICAL AC- TIONS.....	112-140
V.—VARIOUS GROUPINGS.....	141-169
1.—Drugs which may produce eruptions	141
2.—Drugs excreted in the milk.....	141
3.—Drugs which affect the color of the feces.....	142
4.—Drugs which affect the color of the urine.....	143
5.—Drugs which may cause the urine to reduce Fehling's solution.....	143
6.—Gastro-intestinal irritants.....	144-145
7.—Alkaloids: their sources and salts..	146-151

	PAGES
8.—Active principles of drugs other than alkaloids.....	152-156
9.—Drugs with a maximum dose of $\frac{1}{10}$ grain or less.....	157-158
10.—Drugs known by common and other names.....	159-166
11.—Dosage in children.....	167
12.—Rules for incompatibility.....	167
13.—An easy method of writing prescriptions.....	168-169

SCHEMA FOR STUDYING THE ACTIONS AND USES OF DRUGS.

I. External. (Chiefly local or direct.) Including nose, mouth, pharynx, bronchial tubes (inhalation), urethra, vagina, rectum.

II. Internal.—

A.—Alimentary tract (action local). Mouth, stomach, intestines.

B.—Circulation.

- (1) Blood (entrance into; changes effected in; indirect effect on metabolism, indicated by urea, carbon dioxide, and temperature).
- (2) Heart (force, frequency, regularity; action direct or through nerves; blood-pressure).
- (3) Blood-vessels (effect on calibre; action direct or indirect; blood-pressure).

C.—Nervous system.

- (1) Brain (vascular changes in; action on motor or sensory areas; on special centres, cardiac, respiratory, vaso-motor, vomiting, heat).
- (2) Cord (reflex activity, anterior cornua, afferent and efferent tracts).
- (3) Peripheral nerves (afferent and efferent).

D.—Secretions.

- (1) Saliva, gastric, pancreatic, and intestinal juices. Also physical and chemical changes in feces.
- (2) Bile (direct or indirect action).
- (3) Urine (quantity, chemical and physical changes, including amount of urea and odor).
- (4) Sweat (quantity, effect on temperature).
- (5) Bronchial (increased or diminished; if disinfected).
- (6) Milk (increased or diminished; if excreted in).

E.—Special actions.

- (1) Eye (pupil, accommodation, tension).
 - (2) Genito-urinary tract.
 - (3) Muscles (voluntary, involuntary).
- (a) Does it easily produce symptoms of poisoning?
1. Children. 2. Adults. 3. Tolerance.

(b) What symptoms?

Anorexia, nausea, vomiting, purging; cardiac;
respiratory; nervous; tinnitus aurium; renal
congestion; eruptions.

(c) How administered?

1. With reference to meals.
2. Night or morning.
3. Diluted or undiluted.
4. Flavored.
5. In capsules or wafers.

n. acetanilid powder $\left\{ \begin{array}{l} \text{acetanilid} \\ \text{NaHCO}_3 \\ \text{Caffeine} \end{array} \right\}$ Dose $7\frac{1}{2}$ gr.

SYLLABUS OF MATERIA MEDICA.

ABSINTHUM (*wormwood*)..... 8-40 gr.

Use. Stomachic.

ACACIA (*gum Arabic*):

Mucilago a..... freely.

Syr. a..... "

Uses. Demulcent, vehicle.

* **ACETANILIDUM** (*antifebrin*)..... 2-5 gr.

Large doses cause methemoglobinemia

Actions. Cardiac depressant. Vaso-constrictor.

Antipyretic. Analgesic. ~~Vegetative~~

Uses. Chiefly as antipyretic and analgesic.

ACIDUM ACETICUM:

✓ Ac. aceticum dil., 6%..... 1-8 dr.

acts as caustic without producing much pain

ACIDUM ACETICUM GLACIALE.

Antipyrin	0 - 20 gr.
Salipyrin	6 - 30 "
Indopyrin	2 - 15 "
Phenacetin	5 - 10 "
Evalgin (methyl acetanilid)	$\frac{1}{2}$ - 3
Lactophenin	10 - 15 "
Phenacellulose	

ACIDUM CITRICUM..... 5-30 gr.

Syr. acidi citrici..... 1-4 dr.

acidum trichloroaceticum

ACIDUM HYDROCHLORICUM:

Ac. hydrochloricum dil., 31%..... 5-20 ℥.

ACIDUM LACTICUM.

ACIDUM NITRICUM:

Ac. nitricum dil., 10%..... 5-30 ℥.

" nitrohydrochloricum.

" " dil..... 5-30 ℥.

ACIDUM PHOSPHORICUM:

Ac. phosphoricum dil., 10%..... 5-30 ℥.

ACIDUM SULPHURICUM:

Ac. sulphuricum dil., 10%..... 10-30 ℥.

" *arom.* 20%..... 5-15 ℥.

ACIDUM TARTARICUM..... 8-30 gr.

Actions. *Ext.* Irritants, except citric. Caustics.

Astringents. Hemostatics. Refrigerants when

dilute. *Int.* Sialagogues. Before meals check

gastric juice. Sulphuric astringent in intestine.

Cholagogues, especially nitric and nitrohydrochloric.

Acetic, citric, and tartaric increase alkalinity

of blood, others diminish it. *# NO₃ > acidity of urine*

HNO₃ < alk. of blood.

Action as cholagogue due to acid stimulation of cells.

sole drugg.

Uses. *Ext.* To destroy warts, condylomata, etc. Hemostatics. Refrigerant in fevers. *Int.* To allay thirst. Dyspepsia. Sulphuric as hemostatic in stomach and intestines, and in diarrhoea. Chologogue. Vegetable acids for scurvy, and in combination as diuretics and in gout. Sulphuric as anhidrotic in tuberculosis.

+ **ACIDUM BORICUM**..... 5-15 gr.

Glyceritum boroglycerini.

Sodii boras (*borax*)..... 5-30 gr.

inguentum boricum 10%

Actions. Local disinfectant and antiseptic.

Uses. Wounds, ulcers, etc. Vaginitis, urethritis, etc. Aphthous stomatitis.

phenol liquefactum 1 m
phenol
 * **ACIDUM CARBOLICUM** (*phenol*) (15-20% *10*) - I gr.

Ung. acidi carbolic, 5%

Glyceritum *phenolis* acidi carbolic, 20%..... 2-5 ml.

Methyl phenol 1 m

Actions. *Ext.* Antiseptic, disinfectant, deodorant, parasiticide. Irritant, caustic. Local anaesthetic. *Int.* Small doses, antiseptic. Large doses, general depressant. Urine dark from pyrocatechin and hydrochinon.

Uses. As antiseptic, etc.

Sodium phenyl sulphate 5-30 gr.

zinc phenyl sulphate 2 gr.

ACIDUM GALLICUM..... 5-20 gr.

Actions. Said to diminish secretions of mucous surfaces.

Uses. Chronic bronchitis. Pyelitis, etc.

• Liqueur antisepticus = { Boric acid 2%
 Benzoin ..
 Thymol ..
 etc

Toxicology
 • Alcohol is the antidote for carbolic
 acid zinc sulphate.

HCN is found in { Sanguinaria
Bitter almonds
Wild cherry



THE ACTIONS AND USES OF DRUGS.

7

ACIDUM HYDROBROMICUM DILUTUM, $\frac{1}{2}$ -1 dr.

Actions. *Int.* Like the bromides.

Uses. *Int.* To relieve noises in the ears. To prevent cinchonism. To dissolve quinine.

ACIDUM HYDROCYANICUM DILUTUM (*prussic acid*)..... 1-3 ℥.

Actions. *Ext.* Sedative, local anæsthetic. *Int.* Sedative. Cardiac, vaso-motor, respiratory depressant.

Uses. Itching. Gastric pain, vomiting. For coughs.

ACIDUM*OLEICUM.

Use. Solvent of drugs for inunction.

ACIDUM STEARICUM.

Uses. Making glycerine suppositories. In combination with zinc and copper for skin diseases.

ACIDUM SULPHUROSUM..... $\frac{1}{2}$ -2 dr.

Actions. *Ext.* Disinfectant, deodorant, parasiticide.

Int. Disinfectant in stomach and intestine (?).

Uses. In form of gas from burned sulphur to disinfect rooms, etc. Ringworm and foul sores.

ACIDUM TANNICUM..... 1-20 gr.

Collodium stypticum..... 20%

Troch. ac. tan. (1 gr.)..... 1-3

Ung. ac. tan..... 20%

Glyceritum ac. tan..... 20%

Actions. *Ext.* Astringent. Hemostatic. *Int.* Astringent and hemostatic in stomach. Changed to gallic acid in intestine. *Large doses emetic.*

Uses. *Ext.* As general astringent and hemostatic. *Int.* In other drugs, as catechu, for diarrhoea.

Give in glycerine for gastric hum.

ACONITUM (*monkshood*). *(Europe & Asia)* *N.W. N.A.* $\frac{1}{2}$ -2 gr.

~~Ext. a.~~ $\frac{1}{10}$ - $\frac{1}{4}$ gr.

Ext. a. fl. $\frac{1}{2}$ -2 ℥.

Tr. a. 3.5-5.0 $\frac{1}{2}$ -5 ℥.

(Fleming's tr. twice as strong.) $\frac{1}{2}$ -2 m.

Aconitina. (2600.420) $\frac{1}{100}$ gr. with caution.

Napellina $\frac{1}{4}$ - $\frac{1}{2}$ gr.

** New In. 5-20*

Actions. *Ext.* Tingling, numbness, local anaesthesia.

Int. Heart slowed, force lessened. Blood-pressure falls. Vessels dilate (?). Depresses nerves of sensation, temperature, and later motion. Pain relieved. Antipyretic. Diaphoretic. Diuretic (?).

Uses. *Ext.* Neuralgia, etc. *Int.* Neuralgia. Febrile diseases. Tonsillitis, laryngitis, etc.

Little harm
** 1 gr. for 50 lb. child. 3 doses enough*

ADEPS (*tard*):

Adeps benzoïnatus.

Ceratum.

" resinae.

Unguentum.

Oleum adipis.

Uses. Emollient. Making ointments.

Amalg collodia { *Amalg Hydride*
aconitine
veratrine
collodion

~~Adeps Lanæ~~**ADEPS LANÆ HYDROSUS** (*lanolin*):**Uses.** Basis for inunctions.**ADONIDIN** ^{Europe & Asia} (*glucoside fr. adonis vernalis*).... $\frac{1}{4}$ - $\frac{1}{2}$ gr.**Actions.** Cardiac stimulant. Slows heart. Raises blood-pressure, which subsequently falls from vaso-motor paralysis. Action prompt.**Uses.** Like digitalis.*Not cumulative
acts more rapidly***ÆTHER**..... 5-60 m.Spr. ætheris..... $\frac{1}{4}$ -1 dr.Oleum æthereum. (*etheral oil*)Spr. ætheris co. (*Hoffman's anodyne*).... 5-60 m.*(ether
alcohol
etheral oil)***Actions.** *Ext.* Evaporating, produces cold and local anaesthesia. Confined, irritant. *Int.* Like alcohol and chloroform. Stomachic, carminative. Cardiac stimulant. General anaesthetic. Respiratory stimulant. *Antispasmodic***Uses.** *Ext.* Small operations. *Int.* As stomachic. Flatulent dyspepsia. Fainting, heart failure, palpitation. Antispasmodic, asthma. General anaesthetic.**Cautions.** Do not use in: 1. Bronchitis or pulmonary disease. 2. Renal disease. 3. Heart disease. 4. Aneurism. 5. Arterial sclerosis. 6. In hot climates. 7. About artificial light.*ext. use
in cases
of
paralysis
of
the
vocal
cords
&
larynx***ÆTHER ACETICUS**..... 20-60 m.**Actions and Uses.** Stimulant, antispasmodic, carminative.*anesthetin is an alkaloidal substance.**res - Mus. in stom. & intest.**Hay fever, coughs, asthma, pain in chest
Wet beriberi, rheumatism, Addison's
5-20 by mouth (1-1000 subcutaneous)*

ÆTHYLENE BICHLORIDUM (*Dutch liquid*):**Action and Use.** General anæsthetic.**ÆTHYL BROMIDUM** (*hydrobromic ether*):**Actions.** Rapid, transient anæsthetic, without total loss of consciousness.**Uses.** Minor surgery.**AGARICIN** (*agaric acid*)..... $\frac{1}{8}$ – $\frac{1}{4}$ gr.
From the fungus *polyporus officinalis*.**Use.** Anhidrotic in night sweats.**★ALCOHOL**

Alcohol absolutum.....	99%
— deoderatum —	92.5%
“	91%
Spr. frumenti (whiskey).....	44–50%
“ vini gallici (brandy).....	39–47%
Gin, rum, liqueurs.....	40–50%
Alcohol dilutum.....	41%
Vinum album fortius.....	20–25%
“ portense (port).....	15–25%
“ xericum (sherry).....	15–20%
Madeira.....	15–20%
Champagne	10–13%
Burgundy.....	10–13%

*The ordinary dose about
 ʒ. leaves body unchanged.
 ʒ. ʒ. in urine ∴ irritates
 urinary tract.
 gives tinctures in nephritis.*

Vinum album.....	10-14%
" rubrum.....	10-14%
Claret.....	8-12%
Cider.....	5- 9%
Ale or stout.....	5- 9%
Beer or porter.....	2- 5%
Kumyss.....	1- 3%

* **Actions.** *Ext.* Disinfectant. Refrigerant. Astringent. Anhidrotic. Hardens skin. When confined, rubefacient. *Int.* Stomachic. Local anæsthetic. Diminishes oxidation. Antipyretic. Cardiac stimulant; " after-effect, exhaustion. Vaso-dilator. Raises blood-pressure. Diaphoretic. Diuretic. Small doses, nervous stimulants; large, narcotic. *acts on Augment*

Uses. *Ext.* Refrigerant, anhidrotic. Headache. Prevent bedsores. *Int.* Aid digestion. Vomiting. Diarrhoea. Cardiac stimulant. Insomnia. Diuretic. *↓* *cardiac & osmotic - blackberry brandy, dent*

ALLIUM (*garlic*). *a acute heart failure in Pneum. etc.*
Smaller bitter..... 15-30 gr.
 Syr. a..... 1-4 dr.

Actions. Stomachic. Cardiac stimulant. Expecto-
 rant.

Uses. Dyspepsia.

ALOE BARBADENSIS..... *Barbados* 1-10 gr.

" **SOCOTRINA**..... *E. Africa* 1-10 gr.

Ext. a..... 1-3 gr.

A. purificata..... 1-10 gr.

Alcohol in strong doses - peptones & pepsin
Small doses stim. heart reflexly.
Large .. paralyze ..
any gastric irrit. can paralyze heart reflexly
Diuretic - acts best when diluted
" because of flow of blood & R.F. - L

Dinner Pill. } Ext. aloes 1 gr
" " nuxvomica 1/4 "

	Pil. a., gr. 2.....	1-4 pills.
ur. aloes 250m at	Pil. a. et asafoetida, gr. 1	1-5 "
	Pil. a. et ferri, gr. 1.....	1-4 "
	Pil. a. et mastiches ("Lady Webster"), gr. 2.....	1-3 "
	Pil. a. et myrrhæ, gr. 2.....	2-10 "
ur. aloes 100 gr myrrh 10 liquorice root 10	Tr. a.....	1-1 dr.
	Tr. a. et myrrhæ (Ussir Parprinitatis Paracelsi).....	1-2 1/2 dr.
	Aloinum.....	1-2 gr.

co. laxative pill

Actions. Stomachic. Purgative—15-20 hrs. Acts chiefly on colon. Gripes. Cholagogue. Emenagogue. *operated by milk*

Uses. Stomachic. Habitual constipation. Chlorosis and anæmia with iron. Amenorrhœa.

ALTHÆA (marshmallow):

~~XXX~~..... freely.

Uses. Demulcent. Flavoring agent.

ALUMINUM:

Alumen..... 5-30 gr.

Alumen exsiccatum.

A. hydras..... 1-10 gr.

A. sulphas.

Actions. *Ext.* Coagulates albumin of sores and ulcers. Astringent. Hemostatic. *Int.* Astringent, mouth, stomach, intestines. Direct emetic.

Uses. *Ext.* Destroys unhealthy granulations. Eczema, leucorrhœa, gleet, conjunctivitis, etc. Piles, cuts, etc. *Int.* Tonsillitis, etc. Emetic. Gastric hemorrhage Diarrhœa.

AMMONIUM

Aqua ammoniæ fortior..... 3-6 ℥.
Well diluted.

Spiritus ammoniæ..... 10-60 ℥.

Aqua ammoniæ..... 10-20 ℥.

Linimentum ammoniæ.

Ammonii Salicylas

Actions. *Ext.* Rubefacient, vesicant. *Int.* Like alkalies generally in stomach. Cardiac and respiratory stimulant. Raises blood-pressure.

Uses. *Ext.* Counter-irritant. Insect bites. Syncope (inhalation). *Int.* Dyspepsia. Cardiac and respiratory stimulant in collapse. Snake-bites (hypodermically).

A. carbonas.... *Sal volatile*..... 2-15 gr.

* Spiritus ammoniæ aromaticus (*sal volatile*)..... ½-2 dr.

Actions and uses. Gastric stimulant. Carminative. Cardiac and general stimulant. Expectorant. Emetic.

A. chloridum..... 1-30 gr.

Trochisci ammonii chloridi, gr. 2... 1-6.

Uses. *Ext.* Chr. pharyngitis, otitis media, laryngitis, bronchitis (by inhalation). *Int.* Expectorant.

* { $(NH_4)_2CO_3$ 3.4 gr
 NH_4OH - - - 9 "
 Oil of nutmeg "
 Oil of lemon "
 Citronella flowers " - 70 gr
 420

Patient should lie down before inhaling
amyl nitrite.

THE ACTIONS AND USES OF DRUGS.

15

congestion. Respiratory stimulant. Antipyretic.
Depresses reflexes.

Uses. Cardiac and aneurismal pain. Angina pectoris. Epilepsy. Migraine. Tetanus, strychnia poisoning. Asthma. Whooping-cough.

*rest stim. in opium poas etc.
syncope of CHCl_3*

AMYLUM (*starch*):

Glyceritum amyli.

Uses. Chiefly for mechanical properties.

ANISUM (*anise*)..... 10-30 gr.

Oleum a..... 1-5 ℥.

Aqua a..... $\frac{1}{2}$ -1 oz.

Spr. a..... 1-2 dr.

Actions and uses. Of volatile oils.

ANTHEMIS (*chamomile*)..... $\frac{1}{2}$ -2 dr.

Action and use. Stomachic bitter.

OLEUM ANTHEMIDIS..... 1-4 ℥.

Actions and uses. Like other volatile oils.

ANTIKAİNIA (*proprietary*):

Said to contain acetanilid, sodium bicarbonate, caffeine, and tartaric acid.

ANTIMONIUM:

A. sulphidum.

" " purificatum.

A. sulphuratum..... $\frac{1}{2}$ -1 gr.

A. oxidum..... 1-4 gr.

Pulvis antimonialis (*James' powder*), 3-15 gr.A. et potassii tartras (*tartar emetic*):

doses {	diaphoretic.....	$\frac{1}{10}$ - $\frac{1}{2}$ gr.
	cardiac depressant	$\frac{1}{2}$ -1 gr.
	emetic.....	1-2 gr.

<i>Flex. Squill</i> <i>" Senega</i> <i>in Caphor</i> <i>Tartar emetic</i>	}	Vinum a.....	<i>1% Tartar + wine</i>	5-60 ℥.
		Syr. scillae co. (<i>hive syrup</i>).	<i>2%</i>	5-30 ℥.

Actions. *Ext.* Irritant. Tartar emetic produces local pustular eruption. *Int.* Irritant. Direct and indirect emetic. Cardiac depressant. Powerful nerve depressant. Large doses antipyretic. Expectorant. Diaphoretic. Cholagogue.

Uses. *Ext.* Rarely as caustic. *Int.* Emetic. Cardiac depressant in febrile conditions. Bronchitis. Not used as much as formerly.

Official ANTIPYRIN..... 3-20 gr.

Actions. Analgesic, antipyretic. Cardiac depressant. Vaso-constrictor. *hemostatic*.

Uses. Neuralgia, etc. Hyperpyrexia. Hemostatic in epistaxis and hemorrhoids.

APIOL (*a camphor from parsley*)..... 5-15 gr.

Uses. Antiperiodic. Dysmenorrhœa. Amenorrhœa.

Liquid apiol is an alcoholic extract of parsley seeds. Dose, 2-8 ℥.

APOCYNUM (*Canadian hemp*): (*Digitalis group*)

doses { emetic ... 10-20 gr.
 { alterative, 2-5 gr.

Ext. a. fl. 2-20 ℥.

Use. Diuretic.

APOMORPHINÆ HYDROCHLORAS (*idum*) ($45 H_2O$)

doses { subcut. $\frac{1}{15}$ - $\frac{1}{8}$ gr.
 { by mouth $\frac{1}{10}$ - $\frac{1}{15}$ gr.

Actions. Indirect emetic. Stimulates bronchial secretion. Other actions which are not toxic are due to the vomiting. *sulphate* *spontaneous cardiac depression*

Uses. Poisoning, etc. Expectorant. *10. 7.*

if it is emerald green it is no good

AQUA HYDROGENII DIOXIDI (*hydrogen peroxide*) 1-3 dr.

Actions. *Ext.* Gives up oxygen readily and is antiseptic and disinfectant. Decomposes pus. *Int.* Gives oxygen to blood. Probably stimulates nervous system.

Uses. *Ext.* Washing wounds, fistulæ, etc. Mouth wash in diphtheria. *Int.* Dyspepsia.

Apomorphine HCl is the hydrochloride of an artificial alkaloid obtained by heating morphine in sealed tube with an excess of HCl. Mark bases one molecule of HCl

ARGENTUM (*silver*):A. nitras (*lunar caustic*)..... $\frac{1}{4}$ -1 gr.

Nitras dilutus.

" fusus.

A. oxidum..... $\frac{1}{4}$ -2 gr.

A. cyanidum.

~~A. iodidum~~..... $\frac{1}{4}$ -1 gr.

Actions. *Ext.* Caustic, astringent, hemostatic. *Int.*
Said to have little action. Astringent(?).

Uses. *Ext.* General astringent. *Int.* Nervous diseases. Diarrhoea. Injection for dysentery.

ARISTOLUM.= *thymol iodidum*
46% I**Action and use.** Like iodoform.**ARNICA:**

A. flores..... 10-20 gr.

Tr. a. ~~hor~~..... $\frac{10-30}{15-45}$ ℥.~~A. radice~~..... 5-20 gr.~~Ext. a. rad.~~..... 5-10 gr.~~Ext. a. rad. fl.~~..... 5-20 ℥.~~Tr. a. rad.~~..... 5-10 ℥.~~Empl. a.~~**Actions and uses.** Like volatile oils.

Argonin 1.5% soln
 Actol (Arg lactate) 2%
 Strol (Arg citrate) 1%
 cotargol 8% Arg. (Sol. in H₂O)
 used in 1% soln.
 Argamine 10%
 Arg. 1 Sol. in H₂O

Niacacodylate $\frac{3}{4}$ - $2\frac{1}{2}$ gr.

THE ACTIONS AND USES OF DRUGS.

19

ARSENUM: *Arsenitrioxadum*

Acidum-arsenosum..... $\frac{1}{10}$ - $\frac{1}{10}$ gr.

Liquor potassii arsenitis (*Fowler's*
solution), 1%... ~~2-10 m.~~ *N.H.C.S. 2%*... 2-10 m.

Liquor acidi arsenosi, 1%... *arsenitrioxidi*... 5-10 m.

Sodii arsenas... *arsenitrioxidi*... $\frac{1}{10}$ - $\frac{1}{10}$ gr.

" Liquor sodii arsenatis (*Pearson's*
solution), 1%... 1-10 m.

Arseni iodidum..... $\frac{1}{10}$ - $\frac{1}{10}$ gr.

Liquor arseni et hydrargyri iodidi
(*Donovan's solution*), aa 1%... 1-10 m.

Ferri arsenas

Actions. *Ext.* Caustic on raw surfaces. *Int.* Gas-
tric irritant in large doses. In small doses gastric
and duodenal stimulant. Hematinic. Alterative.

Uses. *Ext.* As caustic, but dangerous. *Int.* To de-
stroy pulps of teeth. Dyspepsia. Some cases of
vomiting. *Some cases of diarrhoea. Chronic
superficial skin diseases. Primary anæmias, as
pernicious anæmia, leukæmia, Hodgkin's disease.
Secondary anæmias, as chlorosis, etc. Antiperiodic
and, vague malarial manifestations. Rheumatoid
arthritis. Chorea. Asthma. *neuritis, gastralgia*

*has in children when pyloric and an-
sphincters relax at the same time.*

ASAÆTIDA:

Emul. a..... $\frac{1}{2}$ - 1 oz.

~~Mixtures~~..... 1-5 pills.

Pil. a., 3 gr..... 1-4 "

Tr. a..... $\frac{1}{2}$ - 1 dr.

* 10 min in children when pyloric and an-
sphincters relax at the same time.

Actions. Of volatile oils. Stimulates peristalsis.

Uses. With purgatives. Flatus. Because of bad taste, hysteria. *Malingere*

ASPIDIUM (*male fern, filix-mas*) $\frac{1}{2}$ -1 $\frac{1}{2}$ dr.

Oleoresina a $\frac{1}{4}$ -1 dr.

Action and use. Anthelmintic for tapeworm.

~~**ASPIDOSPERMA** (*quebracho*) 5-30 gr.
Ext. a. fl. 5-30 fl.~~

Action. Increases amt. of oxygen in blood (Penzoldt).

Uses. Emphysema, chronic bronchitis, asthma.

AURANTII CORTEX (*orange peel*):

A. amari cortex:

Ext. a. a. fl. $\frac{1}{2}$ -1 dr.

Tr. a. a. 1-2 dr.

A. dulcis cortex.

Syr. aurantii. vehicle.

Tr. " dulcis 1-2 dr.

Oleum aurantii corticis:

~~Spr. aurantii. vehicle.~~

Spr. " co. "

Elixir aromaticum. "

Actions and uses. Flavoring agent. Bitter.

AURANTII FLORES:~~Oleum aurantii florum:~~

Aqua a. f. fortior..... indeterminate.

Aqua a. f..... "

Syr. a. f..... "

Actions and uses. Flavoring agent.**AURUM** (*gold*):A. et sodii chloridum..... $\frac{1}{10}$ — $\frac{1}{10}$ gr.**Actions.** *Int.* Promotes digestion. Stimulates brain.
Aphrodisiac.**Uses.** Dyspepsia. Gastroduodenitis. Hypochondriasis. To absorb connective-tissue formations.
Tertiary syphilis.**BALSAMUM PERUVIANUM**..... 10—30 m.**Actions.** *Ext.* Stimulant. Disinfectant. *Int.* Carminative. Expectorant.**Uses.** *Ext.* Wounds, sores, and chronic eczema. Pediculi, scabies, ringworm. *Int.* Chronic bronchitis.**BALSAMUM TOLUTANUM**..... 10—30 gr.Syr. t..... $\frac{1}{2}$ —1 oz.

Tr. t..... 1—2 dr.

Action. Like bals. of Peru.**Use.** Expectorant.

BARIUM:~~B. dioxidum.~~B. chloridum..... $\frac{1}{10}$ - $\frac{1}{2}$ gr.**Actions.** Like digitalis. Stimulates muscle of intestine and bladder.**Uses.** Mitral insufficiency. Hemorrhage. Atony of intestine or bladder.**BELLADONNA** (*deadly nightshade*):Habitat { Europe
Asia M.

B. folia..... 1-5 gr.

B. folia pill - \rightarrow Ext. b. foliorum ~~etc.~~..... $\frac{1}{2}$ - $\frac{1}{2}$ gr.Tr. b. "..... 5-30 m .

Ung. b. "..... 10%

Empl. b. "..... 20%

B. radix:

Ext. b. radices fl..... 1-3 m .

Lin. b.

Atropine (*alkaloid*)..... (1.20 H₂O)..... $\frac{1}{100}$ - $\frac{1}{10}$ gr.A. sulphas..... (0.4 H₂O)..... $\frac{1}{100}$ - $\frac{1}{10}$ gr.**Actions.** *Ext.* Anodyne, local anaesthetic. *Int.* Vagus inhibited. First contracts, then dilates vessels. Blood-pressure rises, then falls. Deliriant. Stimulates, then depresses medullary centres. Antipyretic. Depresses all secretory nerves. Mydriatic. Paralyzes accommodation. Intra-ocular tension increased. Relaxes involuntary muscle.**Uses.** *Ext.* Pain. *Int.* Antisialagogue. With purgatives. Certain cardiac diseases. Night-sweats. Whooping-cough. Asthma. Nocturnal incontinence. Vesical or urethral spasm. *With opium.*

Give Atropine before administering a
 general anesthetic to abolish vagus control.
 local sweating
 ophthalmology
 cough mixtures

BENZOINUM:

Adeps benzoïnatus.

Tr. b. 1-1 dr. {Benzoin

Tr. b. co. (*friar's balsam*)... 1-1 dr. {Storax

Acidum benzoicum... 5-15 gr. {Balsam

Ammonii benzoas... 5-20 gr. {Pur., a

Sodii " 5-60 gr.

Actions. *Ext.* Antiseptic. *Int.* Causes appearance of hippuric acid in urine. Makes alkaline urine " acid. Disinfecting expectorant. Antipyretic.

Uses. *Ext.* Stimulating antiseptic. *Int.* Bronchitis, pulmonary tuberculosis. Pyelitis and cystitis with alkaline urine.

BERBERINÆ SULPHAS..... 1-10 gr.

Actions and uses. Bitter stomachic. Slightly antipyretic and antiperiodic. Antiseptic.

Barberis 30 gr.
Ext. berberidis 30 m

BISMUTHUM:

B. subcarbonas..... 5-60 gr.

B. subnitras..... 5-60 gr.

B. citras..... 1-3 gr.

Bismuthi et ammonii citras..... 2-5 gr.

Official B. subgallas (*dermatol*)..... 5-10 gr.

" B. salicylas..... 5-20 gr.

Actions. *Ext.* and *int.* Astringent. Gastric sedative.

Uses. *Ext.* As protective and astringent. *Int.* Nausea, vomiting, gastric pain. Diarrhoea.

BORAX. See Acidum boricum.

BROMOFORMUM..... 1-5 ℥.

Action and uses. Anæsthetic. Whooping-cough.
With care.

BROMUM: (*Obtained from sea water*)

Potassii bromidum.....	5-60 gr.
Sodii "	15-60 gr.
Ammonii "	5-30 gr.
Lithii "	5-20 gr.
Calcii "	15-30 gr.
Zinci "	1-5 gr.
Strontii "	5-30 gr.

Actions. *Int.* Depressants to nervous system. ^(Motor & ad) Hypnotics. Cardiac depressants, except ammonium salt. Respiratory depressants. Metabolism diminished. Anaphrodisiacs. *KBr is most depressant*

Uses. *Int.* Epilepsy, especially grand mal. ^(Motor & ad) Hypnotic. Migraine. Delirium tremens. Laryngismus stridulus. Tetanus. Hysteria. Neuralgia? Strychnia poisoning. Spermatorrhœa. Nymphomania, *migraine & worry headache*
Antiemetic in gastritis

no Br in 1/2 dose 2 i.d. or 3 at night

BRYONIA (*hyoscy*)..... 10-60 gr.

~~To be~~..... 1-5 dr.

Action and use. Hydragogue cathartic.

For Jacksonian Epilepsy

KBr
ha ..
Wt .. } *aa 10 gr 2 i.d.*

Caffeine is elim. in 1 h.
Repeat once in 2 h. to keep up effect.

THE ACTIONS AND USES OF DRUGS. 25

BUCHU (*bucco*)..... 15-30 gr.
Ext. b. fl..... 15-30 ℥.

Actions. Diuretic. Disinfectant to g.-u. tract.
Also of volatile oils.

Uses. As diuretic. Pyelitis, cystitis, gonorrhœa.

BUTYL-CHLORAL HYDRAS (*croton chloral*),
5-20 gr.

Actions and uses. Like chloral. Less depressant
to heart.

Habitat = *tropical Africa*
= *3-methyl xanthine*

* **CAFFEINA** (*theine, guaranine*)... 80#20... 1-5 gr.
C. citrata..... 3.4.20..... 2-8 gr.
C. " effervescens..... 1-4 dr.

Actions. Cardiac stimulant, increasing force and
lengthening systole. Blood-pressure raised. Cere-
bral stimulant. Diuretic. *fatigues & vitality*

Uses. Aortic and mitral obstruction. Cardiac dropsy,
ascites. Pleural effusion. Nephritis. Combined
with cardiac depressants. *myocardial degeneration*
& acute infections. Cardiac failure

CALAMUS (*sweet-flag*): *Cerebral stimulant.*
Ext. c. fl..... 15-60 ℥.

Action and use. Stomachic bitter. Carminative.

CALCIUM:

Creta preparata..... 10-60 gr.
Pulvis cretæ compositus..... 5-60 gr.

* Very apt to get toxic symp. when used
acute infections. handle with care
There are 2 gr. of caffeine in an offer
cup of coffee.

Fatigue, toxic & muscular headache

No Salicylate of Caffeine may be given

Mistura cretæ.....	2-4 dr.
Hydrargyrum cum creta (<i>gray powder, 38% Hg.</i>).....	$\frac{1}{2}$ -10 gr.
Toch X X X X X X X	2 Dr
Calcii carbonas præcipitatus.....	5-60 gr.

Actions. *Ext.* Astringent. *Int.* Antacid, astringent.

Uses. Eczema, diarrhoea.

Calx:

Liquor calcis (<i>lime-water</i>) 0.17% at 69° ⁷	1-8 dr.
Linimentum calcis (<i>Carron oil</i>).	
Syrupus calcis.....	15-60 ℥.
X X X X X X X (<i>Vienna paste</i>).	

Actions. *Ext.* Lime-water, astringent. Slacked lime, caustic. *Int.* Lime, antacid, antemetic; antidote for mineral acids, oxalic acid, zinc chloride; intestinal astringent.

Uses. *Ext.* Lime-water for weeping eczema. Vienna paste as caustic. Linimentum calcis for burns. *Int.* Lime-water mixed with milk. Vomiting. Diarrhoea.

Calcii phosphas præcipitatus.....	5-30 gr.
Syrupus calcii lactophosphatis.....	1-2 dr.

Actions and uses. Increases salts of bone. Rickets, Anæmia,

CaCl₂ or Ca lactate may be used before operations to h. cong. of blood

THE ACTIONS AND USES OF DRUGS. 27

Calx sulphurata..... 10-1 gr.

Used in suppuration.

Calcii chloridum..... 5-20 gr.

Used for enlarged lymph glands.

Calcii sulphas exsiccatus (*Plaster of Paris*).

Used for plaster casts.

CALUMBA 5-30 gr.

Ext. c. fl. 5-30 m.

Tr. c. 1-4 dr.

Actions. Stomachic bitter. Carminative. Anthelmintic to threadworm—injection.

Uses. Dyspepsia. Threadworm.

CAMBOGIA (*gamboge*)..... 1-5 gr.

Action. Drastic, hydragogue purgative. Gripes.

Use. In combination.

CAMPHORA..... 3-20 gr.

Aqua c. 1-2 oz.

Lin. c. (*camphorated oil*). 20%

Spr. c. 10-20 ... 30-60 m.

Ceratum c.

Acidum camphoricum 15 gr.

Actions. Ext. Warmth. Anæsthesia. Int. Stom-

camphor is absorbed from mucous
In case of syncope put some
in the mouth.

achic and carminative. Cardiac stimulant, directly, and reflexly from stomach. Cerebral excitant or sedative. Expectorant. Diaphoretic. Aphrodisiac.

Uses. *Ext.* Counter-irritant and anodyne. *Int.* Carminative. Coryza. Cough mixtures. Hysteria.

CAMPHORA MONOBROMATA..... 2-10 gr.

Actions and uses. Like the bromides.

CANNABIS INDICA (*Indian hemp, haschisch*),

	2-5 gr.
Ext. c. i.....	$\frac{1}{8}$ - $\frac{1}{4}$ gr.
Ext. c. i. fl.....	2-5 ℥.
Tr. c. i.....	5-30 ℥.

Actions. Peculiar intoxication. Deliriant. Narcotic.

Uses. Migraine, neuralgia.

CANTHARIS (*Spanish fly*):

Ceratum c.	
Collodium cantharidatum.	
Tr. c.....	1-15 ℥.
Phosphorus cantharidatum.	

Actions. *Ext.* Irritant, counter-irritant, vesicant. *Int.* Gastro-intestinal irritant. Renal irritant—albumin, blood.

Uses. *Ext.* Counter-irritant. Vesicant—about 8 hrs.

CAPSICUM (*Cayenne pepper*)..... 1-8 gr.

Ext. c. fl..... 1-8 ℥.

Oleores. c..... $\frac{1}{4}$ -1 ℥.

Tr. c..... 5-60 ℥.

Empl. c.

Actions and use. Like volatile oils. { *gastric atony*
chr. gastritis

CARBO ANIMALIS PURIFICATUS.. 20-60 gr.

$\frac{1}{4}$ + oz. as antidote.

Carbo ligni..... 20-60 gr.

Actions. *Ext.* Absorbs oxygen. Disinfectant, deodorant. *Int.* Probably none.

Uses. Locally, ulcers, etc. Flatus. Antidote to alkaloids.

CARDAMOMUM..... 10-15 gr.

Tr. c..... 1-2 dr.

Tr. c. co..... 2-4 dr.

Actions and use. Like volatile oils.

CARUM (*caraway*)..... 15-30 gr.

Oleum c..... 1-5 ℥.

Actions and uses. Of volatile oils.

CARYOPHYLLUS (*cloves*)..... 5-30 gr.

Oleum c..... 1-5 ℥.

Actions. *Ext.* Irritant, counter-irritant, rubefacient. Local anæsthetic. *Int.* Stomachic, carminative. Reflex cardiac stimulation. Stimulating disinfectant of secretions. Antispasmodic.

Uses. *Ext.* Neuralgia. *Int.* Stomachic, carminative, antispasmodic.

~~CASCARILLA~~ 10-30 gr.

Action and use. Stomachic bitter.

CASSIA FISTULA ^{E. India} ~~(purging cassia)~~ ^{Europe + Am (nat)} 1-8 dr.

Use. In confection of senna.

~~CATECHU~~ ^{Gambier} 10-30 gr.

Tr. ^g co. ½-2 dr.

Troch. ^g 1 gr. 1-6

Action and use. *Ext.* and *Int.* Astringent. Sore throat, diarrhoea, etc.

CERA (*wax*):

C. flava.

C. alba.

Uses. Basis for plasters, ointments, cerates.

✓ **CEREUS GRANDIFLORUS** (*cactus*):

Ext. c. g. fl. 10-30 m.

Actions. Cardiac stimulant—augmentor and intrinsic mechanism. Shortens diastole. Raises blood-pressure. Vaso-motor action not marked.

Uses. As general cardiac stimulant. Functional cardiac diseases. Aortic regurgitation. *Contra-indicated* in mitral stenosis.

A. M. A. March 12, 1910 10-46 888
effects doubtful.

CERIUM:

C. oxalas..... 1-8 gr.

Use. Vomiting of pregnancy.**CETACEUM** (*spermaceti*):~~Cetatum~~ c.

Ung. aquæ rosæ.

Uses. Emollient. Making ointments.**CETRARIA** (*Iceland moss*):~~Decoctum~~ c..... 1-4 oz.**Uses.** Demulcent. Food.**CHENOPODIUM** (*Amer. wormseed*)..... 15-30 gr.

Oleum c..... 2-10 ℥.

Action and use. Anthelmintic for roundworm.**CHLORAL** ^{Hydratum}..... 5-20 gr.**Actions.** *Ext.* Antiseptic. Irritant. *Int.* Gastric irritant. Cardiac, vaso-motor, respiratory depressant. Depresses cerebrum and cord. Hypnotic.**Uses.** Hypnotic. Delirium tremens, puerperal convulsions, mania. Tetanus, strychnia-poisoning, whooping-cough. *convulsions in children*

Hypnal = Chloral + antipyrine - 15 gr (not off.)

CHLORALOSE..... 2-8 gr.**Action and use.** Hypnotic.

* Benti (Chloral hydrate) - - - 5-20 gr
 Chloral formamide - - - 10-30 gr
 Chloralose
 Amylene hydrate
 Paraldehyde
 Sulphonal

10 gr q 4 hr.
 50 relieve high art. tension

CHLORALUM FORMAMIDUM (*chloralamide*),

10-30 gr.

Action and use. Hypnotic, without after-effects.*** CHLOROFORMUM** 2-20 ℥.

Aqua chloroformi. 1-4 dr.

Linimentum " 30%

Emulsum " 1-4 dr.

Spiritus " (*chloric ether*)..... $\frac{1}{2}$ -1 dr.

Actions. *Ext.* Evaporating, produces cold and local anæsthesia. Confined, irritant and vesicant. *Int.* Like alcohol. Small doses stomachic. Cardiac stimulant. General anæsthetic: 1st stage, stimulation; 2d stage, depression; 3d stage, reflexes abolished. No action on peripheral nerves. May produce vomiting.

Uses. *Ext.* Chronic rheumatism and inflammations. Myalgia. *Int.* Toothache. Dyspepsia. Cardiac stimulant. General anæsthetic.

Cautions. 1. Examine heart. 2. Remove false teeth. 3. Empty stomach and bowels. 4. Head raised. 5. Clothing loose. 6. Stimulants at hand. 7. 5% chloroform, 95% air. 8. Do not begin operation in 1st stage. 9. Watch respiration and pulse.

to examine teeth
in face
chloroform vapors excitability give atropine before to stop vapors continue

CHLORUM:Aqua chlori... *Liq. chlori compo* 1-4 dr. 4%Calx chlorata. *metals Bleaching powder*Liquor sodæ chloratæ (*Labarraque's solution*)..... $\frac{1}{2}$ -1 dr.*** Causes of death**

Too early operation before reflexes are abolished.

Depression of heart (CHCl₃ is a protoplasmic poison)

Delayed poisoning - degenerations

in powder even in small doses after CHCl₃

Actions. *Ext.* Disinfectant, deodorant, irritant.

Int. Rarely given.

Uses. As above.

CHONDRUS (*Irish moss*)..... 2-4 dr.

Action and use. Demulcent. Food.

CHROMIUM:

Acidum chromicum.

Actions. *Ext.* Disinfectant, deodorant, caustic.

Int. Unknown.

Uses. *Ext.* Disinfectant for ulcers, sores, gonorrhœa, leucorrhœa, in strength of 1 in 40. Crystals as caustic in nares.

CHRYSAROBINUM (*Goa powder, Araroba powder*):

Ung. c..... 5%.

Actions. *Ext.* Powerful irritant. Parasiticide.

Stains yellow. *Int.* Gastro-intestinal irritant.

Uses. *Ext.* Ringworm. Chronic skin diseases, e.g., psoriasis.

CIMICIFUGA (*black snakeweed*):

Ext. c..... 1-5 gr.

Ext. c. fl..... $\frac{1}{2}$ -1 dr.

Tr. c..... $\frac{1}{2}$ -2 dr.

Actions. Stomachic. Increases force of heart-beat.

Emmenagogue.

Uses. Dyspepsia. Amenorrhœa - ~~practically the~~ ^{*Wysmenorrhœa*} *use. very valuable.*

disinfect hands;

bleaching powder 2 } + 420

Na₂CO₃

set off when it stings

have a conc. soln of Na₂CO₃ +

in water in 10 hands

10-60 gr.

Inf. c.	1-2 oz.
Ext. c.	5-30 gr.
Ext. c. fl.	10-60 ml.
Tr. c.	1-2 dr.

10-60 gr.

Tr. c. co.	20 gr.	1-4 dr.
Quinina.	(16.70. H2O)	1-20 gr.
Ferri et q. citras.	gr. 12 1/2	2-10 gr.
" " " sol.	" " "	2-10 gr.
Vinum ferri amarum.	3.4 gr. citrate 5%	1-4 dr.
Q. bisulphas.	(10. H2O)	1-20 gr.
Q. hydrobromidum.	(54. H2O)	1-20 gr.
Q. valerianus.		1-30 gr.
Q. sulphas.	(74.0. H2O)	1-20 gr.
Syr. ferri et q. et strychninae phos-		
phatum		1/2-1 dr.
Q. hydrochloridum.	(54. H2O)	1-20 gr.
Quinidine sulphas.		1-20 gr.
Cinchonina		1-30 gr.
C. sulphas.	(66. H2O)	1-30 gr.
Cinchonidine sulphas.	(70. H2O)	1-30 gr.
taste of quinine	25%	
Tr. antiperiodica (Warburg's tr.).		10 gr.-1 oz.,
Q. Salicylas	4 gr.	1-4 dr.

Actions. *Ext.* Antiseptic—1-1000-250. *Int.* Stomachic. Arrests movement of white blood-cells.

			max. dose
Phosphoric ac.	4.5%	---	2.8 m
Styngelmin	.02	---	1/20 gr
uree phosphate	2%	---	1.2 "
sulphate	3%	---	1.5 "

have given my lights - not genuine carbamide & the
I call #2 compound up to 500, triplet deep in muscles.

vase dilator { Skin
Meninges
Middle ear

THE ACTIONS AND USES OF DRUGS.

35

Increases stability of O—hemoglobin. Lowers temperature. Diminishes metabolism. Small doses stimulate heart. Small doses stimulate brain. Antipyretic, acting on heat centres. Diminishes reflex excitability of cord. Diminishes uric acid and urea. Stimulates uterus. *Specific for malaria. Irritates kidney.*

Uses. *Ext.* Injections—1-4000-500—in amoebic dysentery. *Int.* Stomachic. Tonic. Malarial paroxysms and other malarial manifestations, e.g., neuralgia. Antipyretic. In inflammations generally. *Quinine + castor oil to hasten delivery*

Cautions. Do not give in: 1. Middle-ear disease. 2. Gastro-enteritis. 3. To persons with idiosyncrasy for.

CINNAMOMUM SAIGONICUM:

C. Zeylanicum.

Pulv. aromaticus..... 10-30 gr.

Tr. c..... 1-2 dr.

Ext. aromaticum fl..... 10-30 ml.

~~Cinnamomum Cassia~~

Oleum c..... 1-5 ml.

Aqua c..... 1-1 oz.

Spr. c..... 10-30 ml.

cinnamic aldehyde 1 m

Actions and uses. Stomachic and carminative.

COCA (*erythroxylon*)... *Peru + Bolivia* 1-4 dr.

Ext. c. 1-4 dr.

Cocainæ hydrochloridum..... 1-2 gr.

Cocaine 1-2 gr.

Vinum Cocae 1-4 fl.

Oleatum cocainæ 5%

Cocaine poisoning has resulted from applications of a 2% soln to the nose.

When applied locally it acts on vessel walls or N. and
 when taken into system... .. Vasomotor C.
 cause } = most powerful mydriatic.
 atropine } 36

SYLLABUS OF MATERIA MEDICA.

Actions. *Ext.* Local anæsthetic. *Int.* Local anæsthetic, stomach. Antemetic. Vagus depressed. Cerebral stimulant. Respiratory centre stimulated, then depressed. Mydriatic. Accommodation partially paralyzed.

Uses. As local anæsthetic. Gastric pain, vomiting, seasickness.

COCCUS (*cochineal*):

Use. Coloring agent.

COLCHICUM:

C. radix.....	2-8 gr.
Ext. c. r.....	½-2 gr.
XXXXX	XX m.
XXXXX	XX m.
C. semen.....	1-5 gr.
Ext. c. s. fl.....	1-5 m.
Tr. c. s.....	10-30 m.
Vinum c. s.....	10-30 m.
<i>Cochineal</i> - - - - -	XX m.

Actions. *Ext.* Irritant. *Int.* Specific for gout. Gastro-intestinal irritant—prostration. *Cholagogue*

Use. Gout and goutiness, including eczema, headache, bronchitis, etc.

COLOCYNTHIS (<i>bitter calumba</i>).....	2-8 gr.
Ext. c.....	½-2 gr.
* Ext. c. co.....	5-15 gr.
Pil. cath. co.....	1-3 pills.
Pil. cath. veg.....	1-5 "

Ext. C
 Purified also
 Cardamom
 resin of Scammony
 etc.

Actions. Stomachic. Drastric, hydragogue cathartic. Gripes.

Uses. Not given alone. Hydragogue cathartic.

Habitat { Europe & Asia
CONIUM (*hemlock*). nat. in N.A. 2-5 gr.

~~Ext. c.~~ $\frac{1}{2}$ -1 gr.

Ext. c. fl. 2-5 ℥.

Actions. Paralyzes vagus. Ascending paralysis—motor nerves. Mydriatic. Ptosis. Asphyxia.

Uses. Rarely used. Whooping-cough, tetanus, chorea, asthma, epilepsy.

CONVALLARIA (*lily of the valley*):

Ext. c. fl. 5-30 ℥.

Actions and uses. Like digitalis—not so powerful.

COPAIBA $\frac{1}{2}$ -1 dr.

~~Massa c.~~ $\frac{1}{2}$ -1 dr.

Oleum c. 5-15 ℥.

~~Resina c.~~ 5-15 gr.

Actions. Of volatile oils generally. Disinfectant, expectorant, and diuretic.

Uses. Chiefly in gonorrhœa.

CORIANDRUM (*coriander*). 10-30 gr.

Ol. c. 2-5 ℥.

Actions and uses. Of volatile oils.

COTO	1-10 gr.
Abstractum c.....	$\frac{1}{2}$ -5 gr.
Tr. c.....	1-10 \mathfrak{m} .
Ext. c. fl.....	2-6 \mathfrak{m} .
Cotoin.....	1-2 gr.
Paracotoin.....	1-3 gr.

Uses. Diarrhoea, ordinary and typhoid or tubercular.
Night-sweats.

CREOLINUM..... 1-5 m.

Action and use. Powerful, non-irritating antiseptic.

Creosol = Methyl phenol - 1 m
liq. creosol

* **CREOSOTUM**..... $\frac{1}{2}$ -2 \mathfrak{m} .

Aqua creosoti..... 1-4 dr.

Actions and uses. Gastric and intestinal antiseptic. Pulmonary tuberculosis. *Benefits bronch. mucosa*
Assimiles. antiseptic

CUBEBA (*cubeb*)..... 30-60 gr.

Ext. c. fl..... $\frac{1}{2}$ -1 dr.

Oleoresina c..... 5-30 \mathfrak{m} .

~~XXX~~..... ~~XX~~ \mathfrak{m}

Troch. c. ($\bar{a}\bar{a}$ $\frac{2}{3}$ \mathfrak{m} . oleores.)..... 1-6

Oleum c..... 5-20 \mathfrak{m} .

Actions. Of volatile oils. Disinfecting expectorant and diuretic.

Uses. In cigarettes for bronchitis, asthma, etc.
Chronic cystitis, gonorrhoea, etc.

Don't combine creosote with other drugs.
Creosote Carbonate (92% Creosote) Dose 15-60 m.
in a wine glass of cherry after meals. It
is eliminated mostly by bronchial mucus
more than creosote.

CUPRUM (*copper*):

C. sulphas (*bluestone*). . . dose { astringent, $\frac{1}{8}$ — $\frac{1}{2}$ gr.
emetic, 2–20 gr.

Actions. *Ext.* Astringent. Caustic. *Int.* Astringent. Direct emetic.

Uses. *Ext.* Caustic and general astringent. *Int.* Emetic. Diarrhœa. Phosphorus-poisoning.

CURARE (*woorari, urari*)..... $\frac{1}{3}$ — $\frac{1}{2}$ gr.

Action. Paralyzes motor plates.

Use. Tetanus.

CUSSO (*koussou, brayera*)..... 2-4 dr.

~~Ext. c. n.~~ I-4 dr.

Coussin 20-40 gr.

Action and use. Anthelmintic for tapeworm.

DAMIANA..... $\frac{1}{4}$ -1 oz.

Action and use. Aphrodisiac.

DIGITALIS (*foxglove*)... *Europe* 1-3 gr.

Ext. d..... $\frac{1}{2}$ -1 gr.

Ext. d. fl. 1-3 m.

Inf. d. (~~not cumulative~~) I-4 dr.

Tr. d. 5-30 III.

Digitalein. 508 in. 430. subcut. 1 gr.

Digitonin $\frac{1}{1}$ gr

Digitalin 2

Digitoxin Insol. in H_2O 97-3

Gas. disturb

indic. for
stopping

Heart / Pulse 60 or -
Reg heart → irreg
Onk stim.
Too high arterial
on radial dist

should lie down after taking
italis because there is danger of
overstim. the heart & causing fatal syncope

Actions. Gastro-intestinal irritant. Prolongs diastole, slows rate, increases force, regulates heart. Action direct. Contracts blood-vessels. Action direct and indirect. Raises blood-pressure. Diuretic. (*Unit kidney cells*.)

Uses. *Mitral regurgitation.* Mitral obstruction. Aortic obstruction. Tricuspid disease. Cardiac dilatation. In and after acute diseases. Palpitation. Exophthalmic goitre. Hemorrhage. Chronic alcoholism. Acute and chronic nephritis.

Caution. Do not use in disease of cardiac muscle—*e.g., fatty, fibroid.* *Do not use when kidney cells are damaged.*

DIURETIN. ~~Not to be used~~ 15-30 gr.

Dose per diem up to 1 1/2 gr.
Action and use. Diuretic.

DUBOISINÆ SULPHAS (alkaloid from *duboisia myoporoides*):

Action. Like atropine.

Use. Mydriatic— $\frac{1}{5000}$ grain disc.

ELASTICA (india-rubber, caoutchouc):

Uses. Plasters, pessaries, syringes, etc.

~~Elaterium~~

ELATERINUM. (*Squirtig Cucurbit.*) $\frac{1}{10}$ — $\frac{1}{12}$ gr.

Trituratio e. $\frac{1}{4}$ —1 gr.

Actions. The most powerful hydragogue. Gripes. Much prostration.

Uses. As powerful hydragogue cathartic.

13. P.

32. Ergotae Ammoniatæ 32½% -- 10-6

THE ACTIONS AND USES OF DRUGS.

41

ERGOTA	30-60 gr.
Ext. e. fl.	½-1 dr.
Ext. e. ... <i>Ergotion</i>	5-15 gr.
Vinum e. <i>15%</i>	1-4 dr.

Stim. all muscle
Actions. Cardiac depressant. Vaso-constrictor.
 Hemostatic. Ecboic. Secretions diminished. *Sarge-dose*
Uses. Cautiously in labor. Post-partum hemor-
 rhage. Hemoptysis. Hematemesis. Antigalac-
 tagogue.

Poisoning of nervous form
 Poisoning of gangrene (St. Anthony's fire)

ETHYL CHLORIDE.

Use. Spray for local anæsthesia, freezing. Anodyne.

EUCALYPTUS.	½-2 dr.
Ext. e. fl.	½-2 dr.
Oleum e.	5-30 ℥.
Eucalyptol.	5-30 ℥.

3 X Rhine
Actions. *Ext.* Antiseptic, disinfectant. *Int.* Stom-
 achic. Stimulates heart. Antipyretic and anti-
 periodic. Disinfecting expectorant and diuretic.
 Diaphoretic.

Uses. *Ext.* As antiseptic. *Int.* Diphtheria. Fetid
 bronchitis, cystitis, pyelitis.

EUONYMUS (<i>wahoo, spindle tree</i>).....	1-2 dr.
Ext. e.	1-5 gr.

72 ..
Action and use. Cholagogue purgative. *8 m*

EUROPHEN. 28% I

Action and use. Antiseptic.

EXALGINUM..... 1-3 gr.

Action and use. Analgesic.

FABIANA (*pichi*): [valuable (Dr. S.)]

Ext. f. fl..... 1-40 m.

Use. Inflammations of g.-u. tract. Good for strangles

FEL BOVIS (*fel tauri*, ox-gall)..... 5-15 gr.

F. b. purificatum..... 5-15 gr.

Actions and uses. Cholagogue purgative. Intestinal antiseptic (?). Enema.

~~emetic~~ Used in enema before operationFERRUM (*iron*):

Ferrum reductum..... 1-5 gr.

F. sulphas..... 1-2 gr.

F. sulphas exsiccatus..... 1-2 gr.

F. " granulatus..... 1-2 gr.

Mistura f. co. (*Griffith's mixture*).. 2-4 dr.Pilulæ f. Co_2 (*Blaud's pills*)..... 1-2 pills.

F. carbonas saccharatus..... 2-10 gr.

Massa f. carbonatis (*Vallet's mass*)..... 1-5 gr.~~F. iodidum saccharatum..... 5-15 gr.~~

Syrupus f. iodidi..... 5-30 m.

Pilulæ f. iodidi..... 1-2 pills.

solutions of the { sulphate
nitrate
chloride
monocel's } are valuable
astringents

Quassia
Columba } may be combined with *Fe*

THE ACTIONS AND USES OF DRUGS.

43

F. lactas.	1-5 gr.
F. chloridum.	
Liquor f. chloridi.	2-10 ℥.
Tr. f. chloridi.	5-60 ℥.
Liq. f. et ammonii acetatis (<i>Bash-</i> <i>am's mixture</i>).	1-4 dr.
Liquor f. tersulphatis.	
" f. nitratis.	2-10 ℥.
" f. subsulphatis (<i>Monse's solu-</i> <i>tion</i>).	2-10 ℥.
" f. citratis.	5-15 ℥.
" f. acetatis.	2-10 ℥.
F. oxidum hydro oxidum	1-4 dr.
(Emplastrum ferri.)	
Trochisci "	1-2
F. oxidum hydro oxidum magnesia ido	1-4 dr. = <i>One. Anti.</i>
Ferri et ammonii sulphas.	2-10 gr.

Scale preparations:

F. phosphas solubilis	1-5 gr.
* Syrupus f., quininæ et strychninæ	
phosphatum.	$\frac{1}{15}$ dr.
Quercitum f. et potassii tartras.	5-15 gr.
" " ammonii citras.	1-5 gr.
Vinum f. XXX citratis.	1-2 dr.
F. et strychninæ citras.	1-3 gr.
" " ammonii tartras.	5-15 gr.
F. citras.	1-5 gr.

* In 13 { Ferris phosphate 1 gr
Quinine " $\frac{3}{4}$ "
Strychnine $\frac{1}{32}$ "

SYLLABUS OF MATERIA MEDICA.

F. et quiniæ citras.....	2-10 gr.
" " " " solubilis.....	2-10 gr.
Vinum f. amarum.....	1-4 dr.
P. pyrophosphas solubilis.....	1-5 gr.

Actions. *Ext.* Ferric salts, astringent, hemostatic. *Int.* Astringent and hemostatic in mouth, stomach. Constipates. Hematinic.

Uses. *Ext.* As astringent and hemostatic. *Int.* Tonsillitis, etc. Gastric hemorrhage. Chlorosis. Secondary anemias. Arsenic-poisoning. Injection for threadworms. Rheumatoid arthritis. Erysipelas. Diphtheria. Chloride as diuretic in Bright's. *Chronic bronchitis*

FERRUM DIALYSATUM..... 10-30 m.

Use. Arsenic-poisoning.

FICUS (*fig*)..... freely.

Use. Mild purgative.

Liq. FORMALDEHYDE (*formalin*):

Commercial preparation is a ^{37%} solution of the gas.

Uses. *Ext.* Antiseptic and disinfectant for inanimate objects. Hardening agent in histological technique.

FRANGULA (*buckthorn*)..... $\frac{1}{2}$ -1 dr.

Ext. f. fl...... $\frac{1}{2}$ -2 dr.

Action and use. Mild purgative.

get rid of odor spray with NH₄OH \rightarrow
atropine is formed

atropine is decomposed in the urine
7 1/2 gr. in H₂O on an empty stomach
most be decomposed by HCl.

Smoking a marked
antitropic.
a urinary
atropine
met.

flandulae suprarenales Siccæ 4 gr
 " *Thyroides* " 4 gr.
 Thyroid is a powerful vaso dilator.

THE ACTIONS AND USES OF DRUGS. 45

GALLA (*nutgall*), tannic acid 50-60%.

Tr. g. 1-2 dr.

Ung. g. 20%.

Actions and uses. See tannic acid.

* *Gelatin* ~~see page 46~~
GELSEMIUM (*yellow jasmine*) *S. U.S.*

5-10 gr.

Ext. g. fl. 5-10 ℥.

Tr. g. 1-1 dr.

Gelsemina. $\frac{1}{10}$ - $\frac{1}{20}$ gr.

Actions. Paralysis from depression of anterior cornua. Depression of sensory tracts (?). Mydriatic. Diplopia. Asphyxia.

Uses. Neuralgia, migraine. Mydriatic.

GENTIANA (*gentian*) 5-30 gr.

Ext. g. 2-10 gr.

Ext. g. fl. 5-30 ℥.

Tr. g. co. 1-4 dr.

Action and use. Stomachic bitter.

GLONIN. See Spirit of.

GLYCERINUM 5-60 ℥.

Glyceritum amyli. freely.

~~XXXX~~ *vitelli* ~~31% Borax~~ "

Suppositoria glycerini. p. r. n.

Glyceritum acidi tannici 20% "

Actions. Ext. Solvent, vehicle. Int. Purges. Demulcent. Sweetening agent in diabetes m.

* *Gamboge* 1-5 gr.
Scilla cathartica L.
 1-3
 tions - *Oresteria hydragoga cathartica* a
 wit. *osides* slightly diuretic.

Pulvis G. Co = { glycyrr.
washed S
oil of funnel

46

SYLLABUS OF MATERIA MEDICA.

Uses. Ext. Vehicle. Chapped hands. Int. As
enema or suppository. { ~~moisten~~ ^{purgative} ~~in fever~~ } { ~~hemorrhoids~~ ^{glycyrrh.} } ^(not good)

GLYCYRRHIZA (licorice root):

Ext. g. freely.
Ext. g. purum. "
Ext. g. fl. 1 dr.
Glycyrrhizinum ammoniatum 5-15 gr.
Pulv. g. co. 1-2 dr.
Mist. g. co. (Brown mixture) 1-4 dr.

Quincian of the
Syrup of Glycyrrhiza
Paregonic
Wine of S. & S.
Syr. of S. & S.
W. 20

Uses. Demulcent, vehicle. Pulv. g. co. as laxative.
Mist. g. co. as expectorant.

GOSSYPHII RADICIS CORTEX (cotton root

bark. 1-1 dr.
~~Ext. g. fl. 1-1 dr.~~

Actions and uses. Like ergot.

GOSSYPIUM PURIFICATUM (absorbent cotton).

GRANATUM (pomegranate) 1-1 1/2 dr.

Fl. ext. .. 30 m
Actions and uses. Astringent. Anthelmintic for
tapeworm.

~~Felle~~ ³⁻⁶ ~~tanacet~~ ^{official}

Pelletiering **GRINDELIA** 1-1 dr.

Ext. g. fl. 1-1 dr.

Actions. Expectorant. Relaxes muscle of bronchial
tubes.

Gelatin is an albuminoid. It takes the
place of floating proteins.
use - as food
in pharmacy
not infect with skin as hydrogellate
water skin. Danger of tetanus

Uses. *Ext.* Poison ivy. *Int.* Asthma, chronic bronchitis with asthmatic symptoms.

♂. GUAIACOLUM	2-10 ℥.
G. benzoas.....	2-10 gr.
♂. G. carbonas.....	5-30 gr.
G. salicylas.....	5-30 ℥.

Actions and uses. Like creosote. Less of a gastro intestinal irritant.

GUAIACUM :

C. lignum (lignum vite)	$\frac{1}{4}$ -1 dr.
G. resina (guaiac). <i>Guaiacum</i> ...	5-30 gr.
Tr. g.....	$\frac{1}{4}$ -1 dr.
Tr. g. ammoniata.....	$\frac{1}{4}$ -1 dr.

Actions. Stomachic, increases peristalsis. Purgative.

Uses. Mild purgative. Empirically for sore throat and chronic rheumatism.

Smillettis - Lozenge of guaiac + Guava jelly.

GUARANA (<i>Brazilian cocoa</i>).....	$\frac{1}{4}$ -1 dr.
Ext. g. fl.....	$\frac{1}{4}$ -1 dr.

Action. Like caffeine.

Use. Chiefly sick headache.

GUTTA PERCHA.

Liq. gutta percha.

Uses. Making splints.

HÆMATOXYLON (*logwood*):

Ext. h. 5-15 gr.

Action and use. Ext. and int. Astringent.~~Hamamelidis folia~~**HAMAMELIS** (*witchhazel*): *Cortex* 20 grExt. h. ~~foliorum~~ ½-2 dr. i*Aqua Hamamelidis* 2 3**Action and use.** Ext. and int. Astringent.**HEDEOIA** (*pennyroyal*):

Oleum h. 1-5 ℥.

Actions and uses. Of volatile oils.**HIRUDO** (*leech*):**Use.** To draw blood.**HOMATROPINÆ HYDROBROMIDUM**

(10 M 20)

1/10-1/20 subcutaneously.

Actions and uses. Like atropine.**HUMULUS** (*hops*):~~Ex. humuli~~ 1-2 dr.

Lupulin 5-30 gr.

Ext. l. fl. 5-30 ℥.

Oleores. l. 1-5 gr.

Actions. Stomachic, tonic, carminative, soporific, narcotic.**Uses.** Dyspepsia, insomnia, delirium tremens.

HYDRARGYRUM (mercury):

Actions in common of all preparations. *Ext.*

Stimulating, irritant to caustic. Nearly all, anti-parasitic and antiseptic. Relieve itching. Absorbed by skin; by lungs in form of vapor. *Int.* Gastro-intestinal irritants in varying degrees. Converted into complex albuminate in stomach, becoming an oxyalbuminate in blood. Large doses produce anæmia. Indirect cholagogues. Excreted in saliva, bile, urine, milk, sweat. May salivate. *Specific for syphilis.*

FOR EXTERNAL USE ONLY.

~~Empl. ammoniaci cum h.~~

Empl. h.

30%

Use. Local application.

Ung. h. dil = 50%.

Actions. Antiparasitic. When absorbed, like other mercurials. 3 1/2 %

Uses. Antiparasitic. Application to syphilitic and other sores. Inunction for chronic joint and other inflammations; enlarged lymph nodes; to rapidly mercurialize.

H. ammoniatum (*white precipitate*).

Ung. h. ammon. (*white precipitate ointment*).

Uses. Antiparasitic. Syphilitic and other sores.

H. oxidum flavum.

Ung. oxid. flav.

Uses. Syphilitic and other sores.

To give by hypoderm.

*use 10% emulsion of Hg Salicylate in alcohol
five 1/2 - 1 gr every 3d day. Use a subcut
needle 2 1/2 in. long. Insert into
cutis muscle. (Put the needle in
as in ...)*

at a strength = ammonio mercuric chloride
 2 .. gauge 1% } are tinted with aniline
 .. wood 2% }
 in which is bleached by the discharge.

50

SYLLABUS OF MATERIA MEDICA.

Oleatum h.

Uses. Antiparasitic. Inunction.

Ung. h. oxidi rubri (*red precipitate ointment*).

Uses. Antiparasitic. Syphilitic and other sores.

Liq. h. nitratis.

Uses. Caustic for syphilitic warts, condylomata, etc.

Ung. h. nitratis (*citric ointment*).

Uses. Caustic. Diluted, antiparasitic. Syphilitic and other sores.

FOR INTERNAL AND EXTERNAL USE.

H. cum creta (*mercury with chalk*), 38% . . . $\frac{1}{2}$ -10 gr.

Massa h. (*blue mass, blue pill*), 33% $\frac{1}{4}$ -15 gr.

Actions. *Int.* Laxatives or purgatives. Indirect cholagogues.

Uses. Chiefly as laxatives or purgatives or cholagogues. Mercury with chalk for vomiting, hepatic congestion, cirrhosis, diarrhoea. Blue mass in diuretic pill or for syphilis.

H. chloridum mite (*calomel*) $\frac{1}{2}$ -10 gr.

* Pil. cath. co. 1-3 pills.

Pil. antimoniæ co. (*Plummer's*) 1-3 pills.

Lotio nigra (*black tooth*) not offi-

cial 4 gr. to 1 oz.

Hyel 1 gr.
 Co. ext. colocynth $1\frac{1}{2}$..
 ext. jalap $\frac{1}{2}$..
 Gamboge $\frac{1}{2}$..

Actions. *Ext.* Mildly irritant and stimulant. Absorbed by skin, by lungs. *Int.* Laxative and purgative—duodenum and jejunum—spinach-green or dark stools. Gripes. Indirect cholagogue—partly converted to bichloride, hence also direct.

Uses. *Ext.* Stimulant for syphilitic and non-syphilitic sores. Itching. Vapor bath in syphilis. *Int.* As general laxative or purgative—at night, saline in morning. Vomiting from congestion of stomach. Congestion of liver, functional or organic. Cirrhosis. Diarrhoea. Diuretic in small doses or in "diuretic" pill (calomel, squill, digitalis, āā gr. 1). Rarely for syphilis.

* *H. chloridum corrosivum* (*corrosive chloride, bichloride*)..... $\frac{1}{10}$ – $\frac{1}{10}$ gr.
Lotio flava (*yellow wash*), not official, 2 gr. to 1 oz.

Actions. *Ext.* Antiseptic, disinfectant, antiparasitic—1-70000-500. Absorbed by skin, by lungs. *Int.* Gastro-intestinal irritant. Produces anæmia in large doses. Direct cholagogue.

Uses. *Ext.* As general antiseptic and parasiticide. Yellow wash for itching and syphilitic sores. *Int.* Alone or with potassium iodide for syphilis—2d or 3d stage. To absorb non-syphilitic, chronic, inflammatory formations—e.g., interstitial nephritis.

H. iodidum flavum (*yellow, green, or protiodide*)..... $\frac{1}{10}$ –1 gr.

H. iodidum rubrum (*red or biniodide*).. $\frac{1}{10}$ – $\frac{1}{10}$ gr.

Liq. arseni et h. i. (*Donovan's solution*),
 1% of each..... 1-10 ℥.

Hypoc. - 2 gr to 1 1/2 oz for pediculi

* For hyps

Dissolve 1/2 gr HgCl₂ in 5-8 min
 distilled H₂O or saline
 Inject thru a subcut needle in

H. oxidum rubrum (*red precipitate*).... 4-1 gr

~~H. cyanideum.~~

Uses. Chiefly internally for syphilis. Donovan's solution as alterative.

~~H. subsulphas flavus (*turpeth mineral*)... 2-4 gr~~

Use. As emetic.

MODES OF ADMINISTRATION.

1. Inunction—blue ointment and oleate chiefly.
2. Endermically—calomel.
3. Hypodermically—bichloride.
4. Fumigation—calomel chiefly.
5. Suppositories—blue ointment chiefly.
6. Baths—rarely—bichloride in water.
7. Inhalation—rarely.
8. Internally—most usual—any preparation for internal use.

*HYDRASTIS (*golden seal*)..... 5-60 gr

Ext. h. fl..... 5-60 ℥

Tr. h..... 4-2 dr

Glyceritum hydrastis 5-60 ℥

Hydrastininæ hydrochloras..... 1/8-1 gr

Berberine..... 1/2-1/5-1

Hydrastine
Actions. Stomachic. Cholagogue. Diuretic. Stimulates involuntary muscle. Antiperiodic.

> secretions

Best substitute for ergot

Ca glycerophosphate 5-15 gr

na .. 10-30 m (70% a)
Actions of " = alterative, tonic, restorative
most popular tonic for neurasthenia

THE ACTIONS AND USES OF DRUGS.

53

Uses. *Ext.* Lotion in chronic inflammations. In-
jection in leucorrhoea, etc. *Int.* Chronic inflam-
mations of mucous membranes. Menorrhagia,
metrorrhagia. Malaria. *uterine fibroids*

Europe

HYOSCYAMUS (<i>henbane</i>)	.....	5-15 gr.
<i>Ext. h.</i>	.....	1-2 gr.
<i>Ext. h. fl.</i>	.....	5-15 ℥.
<i>Tr. h.</i>	.....	1-4 dr.
0.6-4.0 Hyoscyaminæ sulphid.	.....	10-30 gr.
0.3 " hydrobromidum	.....	10-30 gr.
1.7 " Hyoscine	.....	150-100 gr.

Actions. Like belladonna and stramonium. Differ-
ences: 1. Cerebral and spinal sedative. 2. Re-
lieves griping better. 3. Relaxes muscle of urinary
tract more.

Uses. Chiefly with other purgatives and for vesical
and urethral spasm, cystitis, etc. Hyoscine for
acute mania, delirium tremens. Chorea, paralysis
agitans, etc. Hyoscyamine for sea-sickness, *asthma +*
vesical sp

HYPNAL (*chloral and antipyrin*)..... 15 gr.

Actions and uses. Hypnotic and analgesic.

HYPOPHOSPHITES:

Calcii hypophosphis	.....	2-5 gr.
Sodii	.....	5-20 gr.
Potassii	.....	5-20 gr.
Syr. hypophosphitum	.....	1-2 dr.
" "	.....	cum ferro, 1-2 dr.

Compd. - av. 27
Manganese hypophosphite 3 gr.

* Hyoscine is a powerful cardiac
use only when other drugs fail.
100 gr

~~Zinc phosphidum~~..... ~~1-1 gr.~~

Acidum hypophosphorosum dilutum. 10%
3-5%

Actions and uses. Chronic bronchitis. Pulmonary tuberculosis. Reconstructive.

~~ICHTHYCOLLA~~ (isinglass)..... freely.

~~Empl. i. (court plaster).~~

Uses. Emollient and protective.

ICHTHYVOL = ammonium ichthyl sulphate 10-20 gr.
Actions - Powerful antiseptic

Uses. Ext. Chronic eczema and psoriasis Int. Chronic rheumatism. Intes. antiseptic

ODOFORMUM..... 9.5% of I..... 1-3 gr.

Ung. iodoformi..... 10%.

Actions and uses. Ext. Antiseptic, disinfectant, analgesic. Int. Unknown.

= tetraiodopyrrol

IODOLUM..... 90% I..... 1-3 gr.

Action and use. Like iodoform. Sometimes used internally.

IODUM: (Obtained from ashes of seaweed)

Liq. iodi co. (Lugol's solution) 15%, KI 10%.. 1-10 m.

Tr. iodi, 7%..... 1-5 m.

Ung. iodi, 4%.

ne milk for I poisoning.
emulsion of starch + milk

$NaHCO_3$

Begin with 20 gr. KI in $\frac{1}{2}$ glass milk t.d.
 L 5 gr. a day.

THE ACTIONS AND USES OF DRUGS.

55

Caustic when conc.

Actions. *Ext.* Disinfectant. Irritant, counter-irritant. Parasiticide. *Int.* Sometimes antemetic. *in em*

Uses. *Ext.* Chiefly as irritants and counter-irritants. *Int.* Vomiting (1 m well diluted).

Potassii iodidum..... 5-60 gr. +

Syr. acidi hydriodici..... $\frac{1}{2}$ -1 dr.

Ung. potassii iodidi.

Sodii iodidum..... 5-30 gr. +

Ammonii " 2-10 gr. +

Strontii " 5-30 gr.

Zinci " 1-3 gr.

Acidum hydriodicum Dilutum 10% Dose 8 m

Actions. Profoundly affect nutrition—not known how. *Slow vasodil. Expectorant. > secret of m*

Uses. Third stage of syphilis. Rheumatoid arthritis. Gonorrhoeal rheumatism. To absorb connective tissue. Inflammatory exudates, as pleurisy and pericarditis. Aneurism. Chronic bronchitis. Asthma. Chronic lead and mercurial poisoning. *gen. arterio-sclerosis*

Ch. gort
 {KI
 {Cobaltum

L IPECACUANHA (*ipecac*),

Brazil Balsam 1/2 - 1/8 - 2
Emetine 1/20 - 1/60

Co. laxative pill - 2 pills dose { expectorant, $\frac{1}{2}$ gr.
 { emetic..... 15-30 gr.

Ext. i. fl..... 1-5 m .

~~Troch. i., aa $\frac{1}{2}$ gr.~~ 1-6

Pulv. i. et opii (*Dover's powder*), 10%.... 3-15 gr.

~~Troch. morphinae et i., aa $\frac{1}{10}$ gr.~~ 1-5

Syr. i..... 5 m . to 2 dr.

Tr. i. et opii, 10%..... 3-15 m .

Vinum i..... 1-60 m .

KI, in large doses, is irritant by re of salt action.

Iodine of larynx may cause of glottis

pecac has a special action on dysentery. Always give 10 m. Laudanum 1/2 h before in ipsecac to prevent vomiting

Actions. *Ext.* Irritant. Antiseptic. *Int.* Stomachic, emetic (direct and indirect). Expectorant. Cholagogue. Diaphoretic. *Antenatalis (small dose)*

Uses. *Ext.* Anthrax. *Int.* Stomachic. Vomiting of pregnancy. Gastric ulcer. Slow emetic in *croup + bronchitis, etc.,* in children. Dysentery. Hepatic dyspepsia. Bronchitis, asthma. Diaphoretic. *use ipsecac + morphine*

IRIDIN (*irisin, from blue flag*) 1-5 gr.

Action and use. Cholagogue.

IRIS (*blue flag*) 10-30 gr.

Ext. I. 1-3 gr.

Ext. i. fl. 10-30 m.

Action and use. Cholagogue purgative.

* **JALAPA** *Mexico* 5-20 gr.

Opulap 30
interstitial } *Ext. j.* 2-8 gr.
Pulv. j. co. = Pulvis Purgans 1-1 dr.
Res. j. 1-5 gr.

Action. Hydragogue cathartic.

Uses. Nephritis, uremia, dropsy, etc. *(cardiac nephritic)*

JEQUIRY.

Action. *Ext.* Intense local inflammation, with constitutional reaction.

Uses. Granular lids. Certain skin diseases. Lupus, Epithelioma, etc.

Don't give Jalap and Hg Cl in a pill. Make one or two powders. Hg Cl may become Hg Cl₂

Aqua Sauroracsi = Cherry Laurel water
 Strength = 0.1% absolute HCN.

THE ACTIONS AND USES OF DRUGS.

57

JUGLANS (*butternut*)..... 1-2 dr.

Ext. J..... 5-30 gr.

Action and use. Mild cathartic. Resembles rhubarb.

Haslin (Al. silicate)

KAFIALA (*rottlera*)..... 1-2 dr.

Actions and uses. Anthelmintic for tapeworm, threadworm, roundworm. Purgative.

KRAMERIA (*rhatany*)..... 5-30 gr.

Ext. k..... 5-10 gr.

Ext. k. fl..... 5-30 ℥.

Tr. k..... 1-2 dr.

Troch. k. (1 gr.)..... 1-5

Syr. k..... 1-4 dr.

Actions and use. Ext. and int. Astringent. Sore throat, epistaxis, gonorrhœa, diarrhœa, etc.

LACTUCARIUM (*lettuce*)..... 5-60 gr.

Tr. l..... 1-2 dr.

Syr. l..... 1-4 dr.

Action and use. Hypnotic. Mydriatic.

LIMONIS CORTEX (*lemon peel*):

~~SODI~~..... 1-2 dr.

Oleum l.

Jr. Limonis Corticis

Septandra (pulver's Root) 1/4 - 1/2

Fl ext.

E. E.

2 gr

Uses. Vehicle. Flavoring agent.

LIMONIS SUCCUS (*lemon juice*) 1-2 oz.

Action. Like citric acid.

Uses. Thirst. Effervescing mixtures. Scurvy. *Gout.*

LINUM (*linseed*):

Oleum l. ½-2 oz.

Uses. Poultrice. Burns. Demulcent.

LITHIUM.

L. bromide 5-20 gr.
L. benzoate 5-20
 L. carbonas. 2-10 gr.
 L. citras 5-20 gr.
 L. citras effervescens 10-45 gr.
L. salicylas 1-15

Actions and uses. Solvents of uric acid, diuretics, and alkalizers of the urine in gout and allied conditions.

N.A.

LOBELIA (*Indian Tobacco*) 1-10 gr.

~~Ext. l. n.~~ *made with acetace.* 1-10 m.
 Tr. l. 5-30 m.

Actions. Gastro-intestinal irritant, with intense prostration. Relaxes muscle of bronchial tubes.

Uses. Asthma, and bronchitis with asthmatic symptoms.

LYCOPODIUM.

Uses. Dusting powder, etc.

LYSOLUM.

Action and use. Antiseptic.

FLACIS (*mace*)..... 5-20 gr.

Action and use. Like volatile oils.

MAGNESIUM :

M. sulphas (*Epsom salt*)..... $\frac{1}{4}$ -1 oz.

M. carbonas..... $\frac{1}{4}$ -2 dr.

M. ~~carbonas~~ ^{*Sulphas*} effervescens..... $\frac{1}{4}$ -1 oz.

Liquor magnesiæ citratis..... 2-8 oz.

Magnesiæ ~~ponderosa~~ ^{*oxidum*}..... 5-60 gr.

Magnesiæ ~~oxidum~~ ^{*oxidum*}..... 5-60 gr.

Actions. Magnesia and magnesium carbonate, antacid. Sulphate, carbonate, and citrate, saline purgatives. Diuretic; alkalinize blood and urine (feeble).

Uses. As alkalies and antacid. Antidote to mineral acids, oxalic acid, salts of mercury, arsenic, copper, and alkaloids. Sulphate antidote to lead and barium. Purgatives. Gout and gravel.

MALTUM :

Ext. m..... 1-4 dr.

Action and use. Food.

MANGANUM :M. dioxidum.. ~~Præcipitatum~~.... 2-10 gr.

M. sulphas..... 2-8 gr.

Potassii permanganas..... $\frac{1}{2}$ -2 gr.**Actions.** *Ext.* Disinfectant, deodorant, antiseptic.
Int. Not known.**Uses.** *Ext.* As above. Salivation, gonorrhœa, leucorrhœa, uterine disease, etc. *Int.* As hematinic.
Amenorrhœa ~~(much used)~~

K. M. is an antidote for morphine.

MANNA..... $\frac{1}{2}$ -2 oz.**Use.** Laxative.**MASTICHE** (*mastic*):

Pil. aloes et m. ("Lady Webster").... 1-3 pills.

Uses. Mastic, for varnishes, etc. Pil. aloes et m. as laxative.**MATRICARIA** (*Ger. chamomile*)..... $\frac{1}{4}$ -1 dr.**Action and use.** Stomachic bitter.**MEL** (*honey*):M. ~~despumatum~~.. ~~depuratum~~.... freely.**Uses.** Demulcent. In cough mixtures. Laxative in children.**MELISSA** (*balm*)..... 1-2 dr.**Use.** Flavoring agent.

Soda mint is a popular breeze.

THE ACTIONS AND USES OF DRUGS.

61

MENTHA PIPERITA (*peppermint*):

Spr. m. p. 5-15 ℥.

Ol. m. p. 1-5 ℥.

Aqua m. p. 1-2 oz.

~~Tox. X. X. X.~~ ~~Tox. X.~~

Actions. *Ext.* Of volatile oils. Anodyne. *Int.* Stomachic, carminative.

Uses. *Ext.* Neuralgia. *Int.* Carminative, stomachic, flavoring agent.

MENTHA VIRIDIS (*spearmint*):

Spr. m. v. 5-15 ℥.

Ol. m. v. 1-5 ℥.

Aqua m. v. 1-2 oz.

Actions and uses Of peppermint.

MENTHOL (*from peppermint*) 1-2 gr.

Actions. Antiseptic, local anæsthetic, anodyne.

Uses. Spray in common cold. Neuralgia. Asthma.

METHYL CHLORIDE.

Use. Spray for local anæsthesia, freezing. Anodyne.

METHYLENE BLUE, ^(methylthionine) ~~(methylene blue)~~ - 5 gr.

Action and uses: Rheumatism, myalgia. Vesical irritation. ^{antiseptic} ~~antiperiodic~~, Sciatica

^{is an oxidative, causes stranguary & color urine.}
Use { mania
 { O. S.

To prevent stranguary use methylene
blue (5-10)

strychnine from *Mux. Tomica*
Strychnos ignatia

ÆTHYLENUM DICHLORIDUM.

Action and use. General anæsthetic.

METHYLSALICYLAS (*artificial oil of winter-green*)..... 1-5 ℥.

Actions and uses. Like salicylic acid.

MOSCHUS (*musk*)..... 2-10 gr.
Tr. m..... $\frac{1}{4}$ -1 dr.

Action. Diffusible stimulant.

Uses. Collapse, fainting, etc. Typhoid, pneumonia.
Hysteria.

MUSCARINA (*alkaloid from amanita muscaria, fly fungus*)..... $\frac{1}{8}$ -2 gr.

Action. Like Calabar bean. Decreases force and frequency of heart. Lengthens diastole. Produces dyspnœa, paralysis. Sialagogue. Diaphoretic. Stimulates involuntary muscle.

Uses. Rarely used. To increase peristalsis. Inflammatory exudates.

MYRISTICA (*nutmeg*)..... 5-15 gr.
Oleum m..... 1-3 ℥.

~~XXXXX~~..... ~~XXXXX~~

Action and use. Like volatile oils.

use of Nitroglycerin
has interest, neph. + heart disease
condition that has caused angina pectoris.
is associated with arterio sclerosis

effects on arteries greater
more prolonged
more suitable for internal use
causes headache

THE ACTIONS AND USES OF DRUGS.

63

MYRRHA	5-30	gr.
Tr. m.	$\frac{1}{4}$ -1	dr.
Tr. aloes et m.	1-2 $\frac{1}{2}$	dr.
Pil. aloes et m.	2-10	pills.

Actions and uses. Of volatile oils. Expectorant, uterine stimulant, emmenagogue.

NAPHTALENUM 1-20 gr.

Action. Local.

Uses. Intestinal ulcerations—dysentery, typhoid, tubercular.

NAPHTOL (*beta-naphtol*) 1-20 gr.

Action and use. External and internal antiseptic.

NITROGLYCERINE. See Spirit of glonoin.

Dose must be as large as $\frac{1}{80}$ - $\frac{1}{60}$ gr. (1-5 m)

NUX VOMICA (*poison nut, dogbutton*)... 1-4 gr.

Ext. n. v. $\frac{1}{4}$ -1 gr.

Ext. n. v. fl. 1-4 m .

Tr. n. v. 5-20 m .

Strychnina... (4.700. 420.) $\frac{1}{80}$ - $\frac{1}{60}$ gr.

S. sulphas... (50. 500.) $\frac{1}{80}$ - $\frac{1}{60}$ gr.

" Nitras (60) $\frac{1}{80}$ - $\frac{1}{60}$ gr.

Actions. Stomachic, increases peristalsis. Direct cardiac stimulant. Blood-pressure raised. Stimulates respiratory and vaso-motor centres. Spinal convulsions. Sharpens sight and hearing.

Uses. As stomachic and carminative. Constipation. General cardiac stimulant. Respiratory stimulant.

use & chronic alcoholism.

Nux Vomica is a better stomachic than strychnine never give more than $\frac{1}{80}$ gr Str. q. 3 may give $\frac{1}{80}$ - $\frac{1}{60}$ gr in case of shock

4 tablets 5 mg each 20 mg

10 m of 3m Nux contains $\frac{1}{80}$ gr strychn

OLEUM BETULÆ ~~VOPATIS~~..... 1-5 ℥.

Actions and uses. Like salicylic acid.

OLEUM CADINUM:

Action and use. Like tar. Skin diseases, *e.g.*, psoriasis, chronic eczema, pruritus.

OLEUM GAULTHERIÆ (*oil of wintergreen*),
1-5 ℥.

Spr. g..... 1-2 dr.

Actions and uses. Like salicylic acid.

OLEUM GOSSYPII SEMINIS (*cotton-seed oil*).

Uses. As other fixed or neutral oils.

OLEUM JUNIPERI..... 2-10 ℥.

Spr. j..... ½-1 dr.

Spr. j. co..... 1-4 dr.

Actions. Like turpentine.

Use. Diuretic in heart disease, ascites, nephritis.

OLEUM LAVANDULÆ FLORUM (*oil of lavender flowers*)..... 1-5 ℥.

Spr. l..... ½-1 dr.

Tr. l. co..... ½-1 dr.

Actions and uses. Stomachic, carminative, flavoring agent.

OLEUM MORRHUÆ (cod-liver oil)..... 1-4 dr.
Emulsion with hypophosphites 1-4 50%

Action. *Ext.* Bland oil. *Int.* Easily absorbed food.

Uses. Pulmonary tuberculosis. Rickets. Chronic bronchitis. Chronic wasting diseases. Tertiary syphilis, etc. *easily oxidized*

Contra-indications in pulmonary tuberculosis: 1. High temperature. 2. Severe hemoptysis. 3. Dyspepsia. 4. Vomiting. 5. Diarrhoea.

OLEUM OLIVÆ (olive oil)..... freely.

Actions. *Ext.* Protective. In massage. *Int.* Protective. Sedative. Laxative. *> secretion of gastric*

Uses. *Ext.* Burns. *Int.* Corrosive poisoning. Gall stones. In enemata. *Hyperchlorhydria +*

* Gastric ulcer. Give it straight or shake with milk. May give 14 3/4 ad.

OLEUM PINI SYLVESTRIS (fir-wood oil).

Action and uses. Like turpentine. Pleasant.

OLEUM RICINI (castor oil)..... *India* 2 oz.

Actions. *Ext.* Protective. Galactagogue. *Int.* Simple laxative or mild purgative—5 hrs.

Uses. Universal laxative or mild purgative. Galac-
tagogue. *stimulates pregnant uterus.* *fructu indige.* *appendicular coli*

OLEUM RUTÆ (oil of rue)..... 1-4 ℥.

Actions. *Ext.* Irritant, vesicant. *Int.* Gastro-intestinal, renal, ovarian, and uterine irritant.

Uses. Rarely given.

Gas. ulcer { Olive oil is demulcent.
 For hyperchlorhydria
 furnishes nutriment

OLEUM SANTALI (*sandal-wood*)..... 2-10 ℥.

Actions. Of volatile oils. Stimulating disinfectant, expectorant, and diuretic.

Uses. Gonorrhœa, etc. Chronic bronchitis.

OLEUM TEREBINTHINÆ (*oil of turpentine*),

dose { 5-30 ℥.
anthelmintic, $\frac{1}{2}$ -4 dr.

Ol. t. rect. dose { 5-30 ℥.
Emulsion Ol. T. 15% { anthelmintic, $\frac{1}{2}$ -4 dr.
Lin. t. 13

Actions. *Ext.* Rubefacient, irritant, counter-irritant.

Excreted by skin & may cause erythema
Antiseptic. Disinfectant. Int. Stomachic, carminative; purgative in large doses. Anthelmintic to tapeworm; to threadworm as enema. Cardiac stimulant, directly, and reflexly from stomach. Vaso-constrictor. Raises blood-pressure. Depresses nervous system in large doses. Powerful expectorant. Stimulates g.-u. mucous membrane. Hematuria. Urine smells of violets. Phosphorus-poisoning. *Gives reaction for sugar.*

Uses. *Ext.* Bronchitis, pleurisy, etc. Neuralgia, myalgia, etc. *Int.* Anthelmintic. Gastric and intestinal hemorrhage. Hemoptysis. Pulmonary gangrene. Chronic bronchitis. *& Carminative*

OLEUM THEOBROMATIS (*cacao butter*).

Use. Making suppositories.

OLEUM THYMI..... 1-5 ℥.

Actions. Like copaiba.

- 5 given*
1. emulsion { Turpentine 4 gr
2. capsule { Olive oil 10
3. 13 gr R
4. On lump of sugar

Uses. Bronchitis. Gonorrhœa, leucorrhœa, etc

India & Philippines

OLEUM TIGLI (*croton oil*)..... $\frac{1}{2}$ -2 ℥.

Actions. *Ext.* Powerful irritant. Pustulation. *Int.* Powerful purgative—1-2 hrs. Produces enteritis.

Uses. *Ext.* Rarely used now. *Int.* Purgative in obstinate constipation, fecal impaction, etc. Apoplexy.

Cautions. Do not give to: 1. Children. 2. Pregnant women. 3. Feeble persons. 4. In hemorrhoids. 5. Peritonitis. 6. Gastritis. 7. Enteritis. 8. ~~mechanical~~ *organic* obstruction.

OPIUM (*from poppy*)..... $\frac{1}{4}$ -2 gr.

Alkaloids:

Morphine, codeine, thebaine, narcotine, narceine, and 14 others.

Opii pulvis..... $\frac{1}{4}$ -2 gr.

Ext. o. $\frac{1}{8}$ -1 gr.

Empl. o.

Troch. glycyrrhizæ et o. 1-4

Vinum o. (*Sydenham's laudanum*),

10%..... 3-20 ℥.

Pil. o., āā 1 gr. 1-2 pills.

Pulv. o. et ipecacuanhæ (*Dover's*

powder), 10%..... 3-15 gr.

Acetum o. (*black drop*), 10%..... 3-20 ℥.

Opium Granulatum — 1 gr.

Advantages

Increasing doses produce no narcosis
no habit is formed
no unpleasant after effects

THE ACTIONS AND USES OF DRUGS.

69

Onset of severe acute infections delay
Antispasmodic in renal and biliary colic. To stop short.
peristalsis in peritonitis, etc. Diabetes. 10.3, vomiting

Cautions. 1. Beware of opium habit. 2. Give cautiously to children, and, 3, in kidney disease.

night sweats of phthisis

CODEINA..... (80.420)..... $\frac{1}{4}$ -2 gr.

Actions. Like morphine. Excites cord, producing tremors. Depresses psychic centres less than morphine.

Uses. Analgesic. Cough mixtures. Diabetes.

OUABAIN..... $\frac{1}{100}$ gr.

Action. Local anaesthetic.

Use. Like cocaine.

PANCREATINUM..... 5-15 gr.

Uses. Artificial digestive agent.

PARALDEHYDUM..... $\frac{1}{4}$ -1 dr.

Action. Powerful hypnotic.

Uses. Hypnotic. Mania, melancholia.

PENTALUM.

Action and use. General anaesthetic.

PEPO (pumpkin seed)..... 1-3 oz.

Action and use. Anthelmintic for tapeworm.

PEPSINUM..... 5-60 gr.

~~P. saccharatum~~..... 5-60 gr.

Uses. Digestive agent in or outside of body.

PETROLATUM LIQUIDUM:

" ~~moll~~ (soft).

" ~~spissum~~ (hard).

Actions and uses. ~~Protective and vehicle.~~ *Alburn (Vaseline)* Spray.

cial **PHENACETINUM**..... 5-10 gr.

Actions. Antipyretic, analgesic. Cardiac depressant. *methemoglobinuria (large doses)*

Uses. Reducing temperature. Neuralgic and other pains.

present than Acetaminil + antipyrin

PHOSPHORUS..... $\frac{100}{100} - \frac{1}{20}$ gr.

~~Oleum phosphoratum, 1%.~~..... 1-5 μ l.

* ~~Pilulae p., aa~~ $\frac{1}{100}$ gr. 1-5 pills.

~~Spr. p.~~..... 8-40 μ l.

~~Elixir p.~~..... $\frac{1}{2} - 2\frac{1}{2}$ dr.

Actions. *Int.* Increases strength of bones.

Uses. *Int.* Osteomalacia. Rickets. Ununited fracture. Alterative.

Habitat tropical W. Africa

PHYSOSTIGMA (*Calabar bean*)..... $\frac{1}{2} - 2$ gr.

Ext. p..... (*Ordeal "*)..... $\frac{1}{10} - \frac{1}{2}$ gr.

Tr. p..... 10-30 μ l.

(1504) ~~Physostigminæ salicylas~~ (*eserine s.*) $\frac{1}{100} - \frac{1}{50}$ gr.

~~P. sulphas~~ (*eserine s.*) *very sol.* $\frac{1}{100} - \frac{1}{50}$ gr.

$\frac{1}{100}$ gr.

$\frac{1}{5}$ gr.

$\frac{1}{5}$ "

$\frac{1}{10}$ "

Actions. Rate of heart slowed, force increased. Blood-pressure raised. Depresses anterior cornua. Sialagogue, hydrotic. Stimulates involuntary muscle. *Myotic, spasm of accommodation, decreases intraocular tension.*

Uses. Tetanus. Strychnia-poisoning. Chronic constipation. Vesical atony. Chronic bronchitis. As myotic. Glaucoma. Paralysis of iris and ciliary muscles.

PHYTOLACCAE FRUCTUS (*pokeberry*)... 5-30 gr.

Phytolacca **RADIX**...dose { emetic... 5-30 gr.
alterative, 1-5 gr.

Ext. p. radicis fl. 5-30 ℥.

Actions and uses. Emetic and purgative.

PICROTOXINUM $\frac{1}{120}$ - $\frac{1}{60}$ gr.

Actions. *Ext.* Parasiticide. *Int.* Unknown. Poison.

Uses. *Ext.* Pediculi. *Int.* Sweats of pulmonary tuberculosis.

PILOCARPUS (*jaborandi*) ^{Brazil} 5-60 gr.

Ext. p. fl. 5-60 ℥.

Pilocarpinæ hydrochloridum $\frac{1}{8}$ - $\frac{1}{4}$ gr.

Actions. Cardiac depressant. Stimulates ^{intra}all secretions except bile. Powerful diaphoretic. Stimulates involuntary muscle. Myotic.

Uses. With caution. Nephritis. Antidote to belladonna-poisoning, [↑] (seldom used for this)

First give { ^{Kinetics}
Hydragogue cathartics
precede by hypod. of atropine or coffee
rectal injec. of strong coffee.

PIMENTA (*allspice*)..... 5-30 gr.

Oleum p..... 1-5 ℥.

Action and uses. Like caryophyllus.

PIPER (*black pepper*)..... 5-20 gr.

Oleoresina p..... $\frac{1}{4}$ -1 gr.

Piperinum..... 1-10 gr.

Action and use. Like volatile oils.

PIPERAZINUM 8-15 gr.

Actions. Increases urea, diminishes uric acid, diuretic (?). *uric acid solvent*.

Uses. Gout, rheumatism. *15 gr. in 1 qt. H₂O & drink it in 24 h.*

~~PIX BURGUNDICA:~~

~~Empl. p. b.~~

~~Empl. picis cantharidatum.~~

Use. Basis for plasters.

PIX LIQUIDA (*tar*)..... in pills $\frac{1}{4}$ -1 dr.

Syr. p. l..... 1-4 dr.

Ung. p. l.

Ol. p. l.

Actions. *Ext.* Like turpentine. *Int.* Stimulating, disinfectant, expectorant. *w/ a anesthetic action*

Uses. *Ext.* Chronic skin diseases. *Int.* Chronic bronchitis, pulmonary tuberculosis. *pruritis*

PLUMBUM (*lead*):

P. oxidum.

Emplastrum plumbi.

Unguentum diachylon.

P. acetis (*sugar of lead*)..... $\frac{1}{4}$ -5 gr.

Liquor plumbi subacetatis (*Goulard's ext.*).

Liquor plumbi subacetatis dilutus (*lead water*).

Ceratum plumbi subacetatis (*Goulard's cerate*).

~~Unguentum plumbi~~

~~Unguentum plumbi~~

P. nitras.

P. iodidum.

~~Unguentum plumbi~~

Actions. Powerfully astringent. Hemostatic. Both int. and ext.

Uses. *Ext.* As general astringent. *Int.* Diarrhoea, gastric and intestinal hemorrhage.

PODOPHYLLUM (*Mandrake*) (*may-apple*) (*Veratrum*) 5-20 gr.

~~Ext. p. fl.~~..... ~~5-20 m.~~

Ext. p. fl..... 5-20 m.

Res. p. (*podophyllin*)..... $\frac{1}{2}$ -1 gr.

Actions. Cholagogue purgative—10 hrs. Gripes.

Use. As cholagogue purgative. — *Always given enema*

Pil. Podophylli, Bell. et Capsici — 1 pi

Resin of Pod. — 1/2 gr.
Ext. of Bell. leaves 1/8 ..
Capsi.

Liquor potassii hydroxidi 5-30 ml freely diluted.

~~Potass. cyano calce (Nervina paste).~~

Uses. *Ext.* As a caustic. *Int.* Gastric sedative. Alkaline diuretic.

P. carbonas..... 5-30 gr.

P. bicarbonas..... 5-60 gr.

Uses. Gastric sedative. Acid eructations.

P. acetab. 5-60 gr.

P. citras..... 5-30 gr.

Liquor p. citratis..... 1-8 dr.

P. citras effervescens..... 5-60 gr.

Actions. Diuretic, alkalinizer of urine, diaphoretic.

Uses. Gout, uric acid gravel, scurvy, diuretics generally.

P. sulphas..... 1-4 dr.

P. bitartras (*cream of tartar*).

dose { diuretic and refrigerant, 20-60 gr.
purgative..... 1-4 dr.

Actions. Saline purgatives. Sulphate a cholagogue. Bitartrate an alkaline diuretic and diaphoretic.

Uses. Sluggishness of bowels. Bitartrate as a general diuretic and diaphoretic.

P. nitras (*saltpetre, nitre*)..... 5-20 gr.

~~Charta potassii nitratis.~~

Actions. Gastric irritant. Cardiac depressant. Diuretic. Diaphoretic.

Uses. Diuretic. Diaphoretic. Asthma.

P. chloras..... *6.7. H. 20*..... 3-20 gr.

Trochisci potassii chloratis..... 1-6

Actions. Gastric irritant. Disintegrates red corpuscles. Paroxysmal hemoglobinuria. Death, heart failure. *Disinfectant & anodyne.*

Uses. Tonsillitis, stomatitis, pharyngitis.

Use only when throat is sore.

All potassium salts are cardiac depressants.

Potassium salts are said to be hematinic.

All alkalies, given before meals, increase secretion of hydrochloric acid; given after meals, neutralize some of acid secreted.

PRUNUM..... freely.

Use. As laxative.

East VA

PRUNUS VIRGINIANA (*wild cherry*).... $\frac{1}{2}$ -1 dr.

Ext. p. V. fl..... $\frac{1}{2}$ -1 dr.

Infusum p. V..... 1-2 oz.

Syr. p. V..... 1-4 dr.

Action. Like dilute hydrocyanic acid.

Uses. Cough mixtures. Vehicle.

✓ ~~PULSATILLA~~..... 1-5 gr.**Action.** Like senega.**Uses.** Asthma. Chronic bronchitis. Orchitis, epididymitis.**PYROGALLOL** (*pyrogallic acid*).**Actions.** *Ext.* Irritant. Parasiticide.**Uses.** *Ext.* Do not apply over extensive surface. Chronic psoriasis. Chronic eczema. Ringworm.**PYROXYLINUM** (*guncotton*):Collodium (*collodion*).

" flexile.

" cantharidatum (*blistering collodion*). *Produce blister in 8 h.***Uses.** Protective and solvent.**QUASSIA :**Ext. q..... $\frac{1}{2}$ -3 gr.Ext. q. fl..... $\frac{1}{2}$ -1 dr.Tr. q..... $\frac{1}{2}$ -2 dr.Quassin..... $\frac{1}{4}$ - $\frac{1}{2}$ gr.**Actions and uses.** Stomachic bitter. Injected, anthelmintic to threadworm.**QUERCUS** ~~ALBA~~ (*white oak*) contains 6-11% tannic acid.*3l. ext. .**12 m*

QUILLAJA (*soap bark*)..... $\frac{1}{4}$ - $\frac{1}{2}$ dr.

Tr. q..... $\frac{1}{2}$ -2 dr.

7 l. ext

Uses. Mixing oily liquids with water. Expectorant.

RESINA :

Ceratum r. (*basilicon ointment*).

~~Empl. r.~~ ^{Co} (*adhesive plaster*).

Empl. adhaesivum contains rubber inst of resin.

Action. Antiseptic, stimulant.

Uses. Sores, ulcers, wounds, etc.

RESORCINUM..... 2-5 gr.

Actions and uses. Chronic skin diseases. Seborrhoea sicca. Gastric fermentation. Marked cardiac depressant.

RHAMNUS PURSHIANA (*cascara sagrada*),

West U.S.

2 l. ext. R. P. aromatatum - - - - - $\frac{1}{2}$ -1 dr.

Ext. r. p. fl..... $\frac{1}{2}$ -1 dr.

Ext. R. P. 4 gr

Action and use. Stomachic and mild purgative.

RHEUM (*rhubarb*).....dose { stomachic, 1-5 gr.
purgative, 10-30 gr. (4-8)

China

Ext. r..... 3- $\frac{1}{2}$ gr.

Ext. r. fl..... $\frac{1}{2}$ -1 dr.

~~Pil. r., aa 3 gr.~~..... 1-5

Pil. r. co., aa 2 gr..... 1-3

Pulv. r. co. (*Gregory's powder*)..... $\frac{1}{2}$ -1 dr.

*al. R. co. { Rhubarb
Purified Alas
oil*

mint

*propolis
Rhubarb
mint
oil*

Tr. r.....dose	{ stomachic, $\frac{1}{2}$ -1 dr. purgative, 1-4 dr.
Tr. r. arom.....	1-3 dr.
Tr. r. dulcis.....	$\frac{1}{2}$-1 oz.
Mist. r. et sodæ.....	$\frac{1}{2}$ -2 oz.
Syr. r.....	1-4 dr.
Syr. r. arom.....	1 dr. for child.

Actions. Stomachic. Purgative—4 to 8 hrs. Gripes.
Fæces yellow. Constipation afterward. Urine
yellow. Cholagogue.

Uses. Stomachic and purgative. *Not used in acute fevers.*

~~**RHUS TOXICODENDRON** (*poison ivy*)... 1-5 gr.~~

~~**Uses.** Dangerous. Skin diseases. Nocturnal incontinence.~~

ROSA:

R. gallica (*red rose*).

Confectio r.....	30-60 gr.
Ext. r. fl.....	$\frac{1}{2}$ -1 dr.
Mel r.....	freely.
Syr. r.....	1-2 dr.

~~R. can. (*white rose*)~~

Oleum rosæ (*attar of rose*).

Aqua r. fortior..... indefinite.

Aqua r..... "

Ung. aquæ r. (*cold cream*).

Uses. Vehicles and flavoring agents.

*Spermaceti 12.
White wax 12
Cypress oil of almond 6
Aqua R. fortior 19
Na borate 5*

RUBUS (*blackberry*):

Ext. r. fl. 1-2 dr.

Syr. r. 1-2 dr.

Use. Diarrhoea.**RUBUS IDÆUS** (*raspberry*):~~XXXXX~~ indefinite.**Use.** Flavoring agent.**RUMEX** (*yellow dock*) 1-1 dr.~~Ext. r. fl.~~ 1-1 dr.**Actions.** Astringent, tonic, alterative.**Uses.** Diarrhoea. Syphilis. Scurvy.**SABINA** (*savine*) 5-15 gr.

Ext. s. fl. 5-15 ℥.

Oleum s. 1-5 ℥.

Actions. Like turpentine. Also ecbolic.**Uses.** Dangerous. Emmenagogue.**SACCHARIN** ⁴⁰⁷⁰ (*glusidum*). (*Benzosulphimidum*) ^{as dose} 1-2 gr.**Use.** Sweetening agent. To replace sugar in dia-^{betes.}
*1/2 gr. in cup of coffee**200 x as sweet as sugar*
SACCHARUM (*cane sugar*) indefinite.

Syrupus indefinite.

Uses. Sweetening agent and vehicle.

Aspirin least irrit. & Salicin next.
 is the only salicylate that can be
 given without dread on an empty stomach.
 pyrin = acetyl salicylic acid 5-60 gr.

80 SYLLABUS OF MATERIA MEDICA.

SACCHARUM LACTIS (sugar of milk), indefinite

Uses. Vehicle. Making triturations. Nutrient.

* **SALICINUM** 28 H. & O. (Willow) 5-30 gr.
 Acidum salicylicum... 4.50 H. & O. 5-60 gr.
 Sodii salicylas... 0.9 5-60 gr.
 Lithii " 1.00 1-15 gr.

Actions. Ext. Salicin and salicylic acid, antiseptic, anhydrotic. Int. Irritant. Salicin converted to salicylic acid in intestine. Impurities are cardiac depressants. Antipyretic. Antiperiodic.

Uses. Ext. Stimulating antiseptic. Removing corns, etc. Excessive sweating. Int. For rheumatic fever, Chronic rheumatism, Migraine, Sciatica. Diabetes, Pleurisy, Cystitis.

SALIPYRIN (antipyrin and salicylic acid) 6-40 gr.

Action and use. Sciatica. Chronic rheumatism.

SALOL (phenyl ^{salicylas} ~~salicylate~~) (Almost insol.) 5-30 gr.

Actions. Split in intestine into salicylic and carbolic acids. Intestinal antiseptic. Like salicylic acid.

Uses. Diarrhoea, dysentery, cholera, Anti-septic in ureter, bladder, etc.

SALOPHEN. (Almost insol.) 5-15 gr.

Action. Split in intestine, forming salicylic acid.

Uses. Like salicylic acid.

salicylates (urea + uric acid
 urine)

Salicylicum not in

Ext. s. fl. co..... $\frac{1}{2}$ -1 dr.Syr. s. co..... $\frac{1}{2}$ -1 oz.**Actions.** Unknown.**Uses.** Vehicle, chiefly.**SASSAFRAS**..... $\frac{1}{2}$ -1 dr.

S. medulla.

Mucilago s. m..... freely.

Oleum sassafras..... 1-5 \mathfrak{m} .**Actions.** Like volatile oils.**Uses.** Vehicle and flavoring agent.**SCAMMONIUM** *Asia*..... 5-15 gr.

Res. s..... 1-8 gr.

Actions. Hydragogue cathartic—4 hrs. Anthelmintic for tape- and roundworm.**Uses.** Obstinate constipation. Tape- and roundworm.**SCILLA** *Basin of Mediterranean* *(squill)*..... 1-5 gr.Acetum s..... 10-45 \mathfrak{m} .Ext. s. fl..... 1-5 \mathfrak{m} .Tr. s..... 5-30 \mathfrak{m} .Syr. s..... $\frac{1}{2}$ -1 dr.Syr. s. co. (*hive syrup*)..... 5-30 \mathfrak{m} .**Actions.** Like digitalis. More of a gastro-intestinal irritant. More powerful diuretic. Powerful expectorant.**Uses.** Diuretic in chronic nephritis with digitalis. In combination in chronic bronchitis.

Scopula $\frac{1}{4}$ gr. } Scopula + mor
Fl. ext. $\frac{1}{4}$ in } used as a prelin
Ext. $\frac{1}{2}$ in } to anesthetic.
Scopolamine H Br $\frac{1}{20}$ gr. $\frac{1}{5}$ gr. (Dangerous)
THE ACTIONS AND USES OF DRUGS. 83

SCOPARIUS (broom)... } Asia + Europe
Ext. s. fl. } Nat. ... H. S. ... $\frac{1}{4}$ - 1 dr.
Spartein (g. v.) use as cardiac stim
Action and use. Sulphur use infusion $\frac{1}{10}$ - 2 gr.

SENEGA.... H. S. 10-20 gr.
Ext. s. fl. 10-20 ml .
Syr. s. 1-2 dr.
Syr. scillae co. (hive syrup) 5-30 ml .

Actions. Ext. Irritant. Int. Gastro-intestinal irri-
tant. On heart like digitalis. Expectorant.
Diuretic.
Use. Chronic bronchitis.

* SENNA... Africa
Confectio s. 1-3 dr.
Ext. s. fl. 1-2 dr.
Inf. s. co. (black draught) Acto in. 1-2 h. 1-3 dr.
Pulv. glycyrrhizae co. (compound licorice powder) Acto in. 8 h. 1-2 dr.
Syr. s. $\frac{1}{4}$ - 1 oz.

Actions. Purgative, acting on colon. Gripes. Yellow, watery stools. Urine red.
Use. Purgative. Generally in combination.

SERPENTARIA (Va. snakeweed) 10-30 gr.
Ext. s. fl. 10-30 ml .
Tr. s. $\frac{1}{2}$ - 2 dr.

Action and use. Stomachic bitter. Poisoning derm...

Anti-diphtheriticum - 3000 -
Immunizing dose -
Castoria - See Senna Co.

SEVUM *Preparatum*
*(suet).***Uses.** Making cerates.**SINAPIS ALBA** (*white mustard*)." **NIGRA** (*black mustard*).

Charta s.

OLEUM S. VOLATILE.~~Linimentum~~ s. Co.**Actions.** *Ext.* Irritant. Rubefacient. Counter-irritant. Vesicant. Anodyne. Reflex cardiac and respiratory stimulation. *Int.* Stomachic. Emetic.**Uses.** *Ext.* General counter-irritant and anodyne. Antemetic over stomach. Cardiac and respiratory stimulant. *Int.* Condiment. Emetic.
*a common article of food***SODIUM:**

Liquor sodæ..... 5-20 ℥. freely diluted.

Actions. Like liquor potassæ. Little used.**Sodii carbonas monohydratus** 5-15 gr.~~S. carbonas~~ (*sal soda, washing soda*)..... 5-15 gr.S. ~~carbonas~~ *exsiccatus*..... 5-15 gr.S. bicarbonas (*baking soda, soda*)..... 5-60 gr.

Trochisci sodii bicarbonas, aa 3 gr. 1-6

Uses. Gastric sedative. Acid eructations. Dyspepsia.

S. phosphas..... 5 gr. to 1 oz.

S. sulphas (*Glauber's salt*)..... 1-8 dr.S. phosphas exsic. 2 gr - 3
or. 15 gr.

" " efferves. 5 gr -

sod phos. compos 1 gr -

Potassii et sodii tetratas {purgative, $\frac{1}{4}$ -1 oz.
(*Rochelle salt*).....dose } diuretic... 30-60 gr.

* Pulvis effervescens compositus (*Seidlitz powder*).

Actions. Saline purgatives. Sulphate most powerful. Sulphate and phosphate, cholagogues.

Uses. Habitual constipation. Cholagogues. Dropsy. Ascites.

S. chloridum (*common salt*)..... 5-60 gr.

Uses. Food. Emetic (large doses). As rectal injections for oxyuris vermicularis.

S. sulphis..... 5-60 gr.

S. bisulphis..... 5-30 gr.

S. hyposulphis. *thiosulphus*..... 5-20 gr.

Uses. Sulphite used for gastric fermentation.

S. nitras..... $\frac{1}{4}$ -1 oz.

Purgative.

S. acetas..... 10-60 gr.

Diuretic (little used). Used to make acetic acid, acetic ether, etc.

S. *citras*..... 15-gr.

S. chloras..... 5-15 gr.

Similar to potassium salt.

SODII ETHYLAS.

Uses. Mild caustic to remove warts, naevi, etc.

* { *Rochelle salts* --- 120 gr
 NaHCO₃ 40
 Tartr 35

one most stable of the nitrites
action more prolonged
acts better in combination
less rapid

86

SYLLABUS OF MATERIA MEDICA.

SODII NITRIS..... 2-5 gr.

Spr. ætheris nitrosi (*sweet spirit of nitre*). $\frac{1}{2}$ -2 dr.

Actions. *Int.* Stomachic, carminative. Cardiac stimulant. Vaso-dilator. Diaphoretic. Diuretic.

Uses. Dyspepsia. Cardiac diseases with œdema. Febrile diseases. Nephritis.

SODII ^{phenyl sulphate} SULPHOCARBOLAS..... 5-30 gr.

Action and use. Antiseptic in gastric and intestinal fermentation.

SOMNAL..... 15-30 m.

Action and use. Hypnotic.

SPARTEINÆ SULPHAS (*fr. scoparius*), $\frac{1}{10}$ -2 gr.

Action and use. Cardiac stimulant.

SPIGELIA (*pinkroot*)..... $\frac{1}{2}$ -2 dr.

Ext. s. fl. $\frac{1}{2}$ -2 dr.

Action and use. Anthelmintic for roundworm.

SPIRITUS ^{glycerylis nitratis} GLYCERINÆ (*spirit of nitroglycerine*), 1%,
1-3 m.

Actions and uses. Like amyl nitrite.

STAPHISAGRIA (*stavesacre*).

72 apt
Action and use. Parasiticide for pediculi.

1 m.

Habitat Asia
Naturalized in most countries

THE ACTIONS AND USES OF DRUGS.

87

STRAMONIUM (*Jamestown weed, thornapple*).

S. stigma	1-3 gr.
Ext. s. stigma	1-1 gr.
Ext. " " fl.	1-3 m.
Tr. " "	5-30 m.
Ung. s.	10%
S. folia	1-5 gr.

Actions. Like belladonna. Relaxes bronchial tubes more.

Uses. Chiefly asthma.

Preparations made from the leaves

STRONTIUM.

S. lactas	1-2 dr.
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Actions. Diuretic. Reduces albumin in albuminuria. Sedative to heart (?)

Uses. Diuretic. Albuminuria from renal atrophy. Chronic rheumatism, gout, scrofula. Diabetes. Cirrhosis.

***STROPHANTHUS.**

Tr. s. (New Tr.)	1-5 m.
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Actions. Like digitalis. Feebler diuretic. 100 gr.

Uses. As for digitalis. Not so generally useful.

Tr. Kousley 5 m more reliable than strophanthus

STYRAX (*storax, liquid amber*)..... 5-20 gr.

Actions. Like bals. of Peru and tolu.

Use. Pediculi and scabies.

Dif. from digitalis
greater rapidity of action
absence of vaso motor effects
greater & the powder
no digox

of. **SULPHONAL** ~~*Sulphomethanum*~~ ^{15 gr.} 15-40 gr.

Use. Hypnotic—2 hrs. to act. Not depressing.

SULPHUR:

S, sublimatum (*flowers of s.*)..... 15-60 gr.

" præcipitatum (*milk of s.*)..... 15-60 gr.

" lotum (*washed s.*)..... 15-60 gr.

Ung. sulphuris..... 30%

Actions. *Ext.* Parasiticide. *Int.* Mild laxative.

Uses. *Ext.* Scabies. Sulphur baths for rheumatism. Acne. *Int.* Laxative for children and in piles and anal fissures. Slight constipation. Sometimes for skin diseases.

~~*Sulphur*~~

Calx " See p. 27.

Sulphuris iodidum..... 1-4 gr. ¹⁰⁻¹²

Actions. *Ext.* Parasiticide. *Int.* Unknown.

Uses. *Ext.* Scabies. Chronic skin diseases. Baths for rheumatism, myalgia, etc. *Int.* Chronic rheumatism and skin diseases. Efficacy doubtful.

~~*Sambucus (Musk Root)*~~

~~*Ext.*~~

~~*7 list.*~~

TABACUM (*tobacco*).

Nicotine.

Actions. Gastro-intestinal irritation. Collapse. Cardiac innervation disturbed. Motor nerves depressed. Respiration paralyzed. Myotic.

Uses. Rarely used. Poultice for epididymitis.

*When applied to raw surfaces it is converted
H₂SO₃ & H₂SO₄ ∴ a severe irritant.*

TAMARINDUS..... freely.

Use. Mild laxative.

~~TX~~**ACETUM** (*tansy*)..... ~~XX~~ gr.

Action and use. Dangerous. Abortifacient.

TARAXACUM (*dandelion*)..... 1-3 dr.

Ext. t. 5-30 gr.

Ext. t. fl. 1-4 dr.

Actions and uses. Stomachic. Laxative. Cholagogue (?).

TEREBENUM..... 5-15 ℥.

Action and use. Stimulating, disinfectant expectorant in chronic bronchitis.

TEREBINTHINA CANADENSIS (*Canada balsam*);

Action. Like turpentine.

Use. As an adhesive varnish.

TERPINI HYDRAS..... 2-30 gr.

Actions. Antiseptic expectorant. Diuretic. Stimulates g.-u. mucous membrane.

Uses. Acute and chronic bronchitis, pulmonary tuberculosis, whooping-cough. Chronic nephritis, cystitis, gonorrhoea.

THEOBROMINÆ SODIO-SALICYLAS (*diuretin*), =
di methyl xanthine 15-30 gr.
Action and use. Diuretic.

THERIACA (*treacle, molasses*):

Actions. Demulcent. Slightly laxative.

Uses. Flavoring agent, etc.

THYMOL..... 1.200. H. 2.0..... 1-15 gr.

Actions and uses. Antiseptic and parasiticide.

Ucinariasis

TRAGACANTHA:

Mucilago t..... indeterminate.

Uses. Demulcent, vehicle.

of **TRIONAL** = *Sulphonethylmethanum* 7-30 gr.

Action and use. Hypnotic. Delirium tremens.

TRITICUM (*couch grass*)..... 1-8 dr.

Ext. t. fl..... 1-8 dr.

Action and use. Diuretic.

ÛLMUS (*slippery elm*):

Mucilago u..... freely.

Use. Demulcent,

URETHANUM. *Ethyl Carbonate*. 5-30 gr.

Action and use. Hypnotic.

UVA URSI (*bearberry*)..... $\frac{1}{2}$ -1 dr.

~~Ext. u. u.~~..... 5-15 gr.

Ext. u. u. fl..... $\frac{1}{2}$ -1 dr.

Actions. Diuretic. Astringent and disinfectant to urinary tract.

Uses. Pyelitis, cystitis, gonorrhœa, etc.

VALERIANA..... 10-30 gr.

Ext. v. fl..... 10-30 ℥.

Tr. v..... $\frac{1}{2}$ -2 dr.

Tr. v. ammon..... $\frac{1}{2}$ -2 dr.

Ammonii valerianas..... 2-8 gr.

~~Ext. v.~~, "~~"~~..... ~~X-X~~ gr.

Zinci *Valeras*..... $\frac{1}{2}$ -3 gr.

* **Actions.** Of volatile oils. Reflex cardiac stimulant.

Uses. Carminative. Fainting. Palpitation. Neuralgia. Hysteria. (For hysteria use ammoniated tincture)

For some bronchitis in if necessary use.

VANILLA: *Malincher*

Tr. v.

Use. Flavoring agent.

Vanillin *Mexico Venezuela* $\frac{1}{2}$ gr

VERATRINA (mixture of alkaloids)..... $\frac{1}{10}$ - $\frac{1}{10}$ gr.

Oleatum v..... 2%

Ung. v..... 4%

* Valerian is supposed to be a sedative
is only of value because of its sedative action
and its bad taste

Actions. *Ext.* Irritant. *Int.* Gastro-intestinal irritant. Heart action greatly slowed. Motor and sensory nerves first stimulated, then paralyzed. Contraction of vol. muscle greatly prolonged.

Use. *Ext.* For neuralgia.

VERATRUM ~~VERATRUM~~ ^{U-A} (*Am. hellebore*)... 1-5 gr.

Ext. v. v. fl. 1-5 ℥.

Tr. v. v. ^{40%} ~~Tr. v. v.~~ 2-10 ℥.

non-mordant sol. = 44%

Actions. Cardiac depressant.

Uses. As cardiac depressant. Puerperal eclampsia.

VIBURNUM OPULUS (*crampbark*)..... 1-2 dr.

Ext. v. o. fl. 1-2 dr.

Actions. Antispasmodic, tonic, diuretic.

Uses. Nervous disorders of pregnancy. To prevent miscarriage. Spasmodic dysmenorrhœa. After-pains. Menorrhagia.

VIBURNUM PRUNIFOLIUM (*black haw*), $\frac{1}{4}$ -1 dr.

Ext. v. p. fl. $\frac{1}{4}$ -1 dr.

Actions and uses. See above.

~~VITELLUS~~ (*yolk of egg*):

Uses. Emollient. Nutritive.

VOLATILE OILS.

Actions. *Ext.* Rubefacient, irritant, counter-irri-

PREPARATIONS.

AQUÆ:

Aqua anisi.....	$\frac{1}{4}$ -1 oz.
“ aurantii florum fortior.....	indefinite.
“ “ “	“
“ ammoniæ fortior.....	3-6 ℥.
“ “	10-20 ℥.
“ amygdalæ amaræ.....	2-4 dr.
“ camphoræ.....	$\frac{1}{4}$ -2 oz.
“ chlori.....	1-4 dr.
“ chloroformi.....	1-4 dr.
“ cinnamomi.....	$\frac{1}{4}$ -1 oz.
“ creosoti.....	1-4 dr.
“ fœniculi.....	$\frac{1}{4}$ -1 oz.
“ hydrogenii dioxidi.....	1-3 dr.
“ menthæ piperitæ.....	$\frac{1}{4}$ -2 oz.
“ “ viridis	$\frac{1}{4}$ -2 oz.
“ rosæ fortior.....	indefinite.
“ “	“

EXTRACTA:

Maximum dose one grain or less:

1	Extractum aconiti	10-1 gr.
2	" belladonnæ foliorum.....	$\frac{1}{2}$ - $\frac{1}{2}$ gr.
3	" cannabis indicæ.....	$\frac{1}{2}$ - $\frac{1}{2}$ gr.
4	" coni.	$\frac{1}{2}$ -1 gr.
5	" digitalis.....	$\frac{1}{2}$ -1 gr.
6	" nucis vomicæ.....	$\frac{1}{2}$ -1 gr.
7	" opii.....	$\frac{1}{2}$ -1 gr.
8	" physostigmatis.....	$\frac{1}{10}$ - $\frac{1}{2}$ gr.
9	" stramonii seminis.....	$\frac{1}{4}$ - $\frac{1}{2}$ gr.

Maximum dose more than one grain:

	Extractum aloes.....	$\frac{1}{2}$ -3 gr.
"	arnicæ radicis	5-10 gr.
"	cimicifugæ.....	1-5 gr.
"	cinchonæ	5-30 gr.
"	colchici radicis.....	$\frac{1}{2}$ -2 gr.
"	colocyntidis.....	$\frac{1}{2}$ -2 gr.
"	" compositum....	5-15 gr.
"	ergotæ.....	5-15 gr.
"	euonymi.....	1-5 gr.
"	gentianæ.....	2-10 gr.
"	glycyrrhizæ.....	freely.
"	hæmatoxyli.....	5-15 gr.
"	hyoscyami.....	$\frac{1}{2}$ -2 gr.
"	iris	1-3 gr.
"	jalapæ	2-8 gr.

Extractum juglandis	5-30 gr.
“ krameriæ.....	5-10 gr.
“ leptandræ.....	1-3 gr.
“ podophylli	2-10 gr.
“ quassiæ.....	$\frac{1}{2}$ -3 gr.
“ rhei.....	3-15 gr.
“ taraxaci.....	5-30 gr.
“ uva-uræ	5-15 gr.

EXTRACTA FLUIDA:

Maximum dose less than 10 minims:

1	Extractum aconiti fluidum.....	$\frac{1}{2}$ -2 ℥.
2	“ belladonnæ radicis fluidum.....	
	um.....	1-3 ℥.
3	“ cannabis indicæ fluidum,	2-5 ℥.
4	“ capsici fluidum.....	$\frac{1}{2}$ -8 ℥.
5	“ colchici radicis fluidum,	2-8 ℥.
6	“ colchici seminis “	1-5 ℥.
7	“ conii fluidum.....	2-5 ℥.
8	“ digitalis fluidum.....	$\frac{1}{2}$ -3 ℥.
9	“ lobeliæ “	2-10 ℥.
10	“ nucis vomicæ fluidum...	1-4 ℥.
11	“ ipecacuanhæ fluidum,	
	dose { expectorant, 1-5 ℥.	
	{ emetic..... 15-30 ℥.	
12	“ sanguinariæ fluidum,	
	dose { expectorant, 1-5 ℥.	
	{ emetic..... $\frac{1}{2}$ -1 dr.	

13	Extractum scillæ fluidum.....	1-5 ℥.
14	" stramonii semitis fluidum.....	1-3 ℥.
15	" veratri viridis fluidum...	1-5 ℥.

Maximum dose between 10 and 30 minims:

1	Extractum apocyni fluidum.....	2-20 ℥.
2	" arniæ radicis fluidum.....	5-20 ℥.
3	" aromaticum ".....	10-30 ℥.
4	" aspidospermatis ".....	5-30 ℥.
5	" buchu fluidum.....	15-30 ℥.
6	" calumbæ ".....	5-30 ℥.
7	" convallariæ fluidum.....	5-30 ℥.
8	" cypripedii ".....	15-30 ℥.
9	" eryodictyi ".....	15-30 ℥.
10	" gelsemii fluidum.....	5-10 ℥.
11	" gentianæ ".....	5-30 ℥.
12	" hyoscyami ".....	5-15 ℥.
13	" iridis ".....	10-30 ℥.
14	" krameriæ ".....	5-30 ℥.
15	" lupulini ".....	5-30 ℥.
16	" menispermii fluidum.....	5-30 ℥.
17	" mezerei ".....	5-15 ℥.
18	" phytolacæ radicis fluidum.....	5-30 ℥.
19	" podophylli fluidum.....	5-20 ℥.
20	" sabinæ ".....	5-15 ℥.
21	" senegæ ".....	10-20 ℥.

22	Extractum serpentariæ fluidum.....	10-30 ℥.
23	“ valerianæ “	10-30 ℥.
24	“ xanthoxyli “	10-30 ℥.
25	“ zingiberis “	5-15 ℥.

Maximum dose 1 drachm:

Extractum calami fluidum.....	$\frac{1}{4}$ -1 dr.
“ chirate “	$\frac{1}{4}$ -1 dr.
“ cimicifugæ fluidum.....	$\frac{1}{4}$ -1 dr.
“ cinchonæ “	10-60 ℥.
“ cubebæ “	$\frac{1}{4}$ -1 dr.
“ ergotæ “	$\frac{1}{4}$ -1 dr.
“ eupatorii “	$\frac{1}{4}$ -1 dr.
“ geranii “	$\frac{1}{4}$ -1 dr.
“ gossypii radicis fluidum....	$\frac{1}{4}$ -1 dr.
“ grindeliæ “	$\frac{1}{4}$ -1 dr.
“ guaranæ “	$\frac{1}{4}$ -1 dr.
“ hydrastis “	5-60 ℥.
“ lappæ “	$\frac{1}{4}$ -1 dr.
“ leptandræ “	$\frac{1}{4}$ -1 dr.
“ pareiræ “	$\frac{1}{4}$ -1 dr.
“ pilocarpî “	5-60 ℥.
“ pruni Virginianæ “	$\frac{1}{4}$ -1 dr.
“ quassiæ “	$\frac{1}{4}$ -1 dr.
“ rhamni purshianæ fluidum..	$\frac{1}{4}$ -1 dr.
“ rhei “ ..	$\frac{1}{4}$ -1 dr.
“ rhois glabræ “ ..	$\frac{1}{4}$ -1 dr.
“ rosæ “ ..	$\frac{1}{4}$ -1 dr.

Extractum sumicis fluidum	$\frac{1}{2}$-1 dr.
“ sarsaparillæ fluidum.....	$\frac{1}{2}$ -1 dr.
“ “ fluidum compo- situm	$\frac{1}{2}$ -1 dr.
“ sooparii fluidum	$\frac{1}{2}$-1 dr.
“ stillingiæ “	$\frac{1}{2}$ -1 dr.
“ uvæ ursi “	$\frac{1}{2}$ -1 dr.
“ viburni prunifolii fluidum..	$\frac{1}{2}$ -1 dr.

Maximum dose more than one drachm:

Extractum asclepiadis fluidum	$\frac{1}{2}$-2 dr.
“ aurantii “	$\frac{1}{2}$ -2 dr.
“ castaneæ “	$\frac{1}{2}$-2 dr.
“ chimaphilæ “	$\frac{1}{2}$ -2 dr.
“ cocæ “	1-4 dr.
“ cusso “	1-4 dr.
“ delcamaræ “	1-2 dr.
“ eucalypti “	$\frac{1}{2}$ -2 dr.
“ frangulæ “	$\frac{1}{2}$ -2 dr.
“ glycyrrhizæ “	freely.
“ hamamelidis “	$\frac{1}{2}$ -2 dr.
“ matico “	$\frac{1}{2}$ -2 dr.
“ rubi “	$\frac{1}{2}$ -2 dr.
“ scutellarizæ “	1-2 dr.
“ sennæ “	1-3 dr.
“ spigeliæ “	$\frac{1}{2}$ -2 dr.
“ taraxaci “	1-4 dr.
“ tritici “	1-8 dr.
“ viburni opuli “	1-2 dr.

LIQUORES:

Liquor acidi arsenosi, 1%.....	5-10 ℥.
" ammonii acetatis (<i>spirit of Min-</i> <i>dererus</i>).....	3-8 dr.
" arseni et hydrargyri iodidi (<i>Dono-</i> <i>van's solution</i>), 1% each.....	1-10 ℥.
" calcis (<i>lime-water</i>).....	1-8 dr.
" ferri acetatis.....	2-10 ℥.
" " chloridi.....	2-10 ℥.
" " citratis.....	5-15 ℥.
" " et ammonii acetatis (<i>Bash-</i> <i>am's mixture</i>).....	1-4 dr.
" ferri nitratis.....	2-10 ℥.
" " subsulphatis (<i>Monsel's solu-</i> <i>tion</i>).....	2-10 ℥.
ferri tersulphatis.	
hydrargyri nitratis.	
iodi compositus (<i>Lugol's solution</i>), I 5%, KI 10%.....	1-10 ℥.
" magnesi citratis.....	3-8 oz.
" plumbi subacetatis (<i>Goulard's ex-</i> <i>tract</i>).....	external.
" plumbi subacetatis dilutus (<i>lead-</i> <i>water</i>).....	external.
" potassæ, 5%.....	5-30 ℥.
" potassii arsenitis (<i>Fowler's solu-</i> <i>tion</i>), 1%.....	2-10 ℥.
" potassii citratis.....	1-8 dr.

Liquor sodæ, 5%	5-20	℥.
“ sodæ chloratæ (<i>Labarraque's solution</i>)	$\frac{1}{2}$ -1	dr.
“ sodii arsenatis (<i>Pearson's solution</i>), 1%	1-10	℥.
“ sodii silicatis.		
“ zinci chloridi	1-10	℥.

MASSÆ:

Massa copaiba.	$\frac{1}{4}$ -1	dr.
“ ferri carbonatis (<i>Vallet's mass</i>)	1-5	gr.
“ hydrargyri (<i>blue mass, blue pill</i>), 33%	$\frac{1}{2}$ -15	gr.

OLEA:

Maximum dose 5 minims or less:

1	Oleum amygdalæ amaræ	$\frac{1}{2}$ - $\frac{1}{2}$	℥.
2	“ anisi	1-5	℥.
3	“ aurantii florum	$\frac{1}{2}$ -2	℥.
4	“ betulæ volatile	1-5	℥.
5	“ cajuputi	1-5	℥.
6	“ cari	1-5	℥.
7	“ caryophylli	1-5	℥.
8	“ cinnamomi	1-5	℥.
9	“ coriandri	2-5	℥.
10	“ fœniculi	1-5	℥.
11	“ gaultheriæ	1-5	℥.

12	Oleum hedeomæ	1-5 ℥.
13	" lavandulæ florum	1-5 ℥.
14	" menthæ piperitæ	1-5 ℥.
15	" " viridis	1-5 ℥.
16	" myristicæ	1-3 ℥.
17	" phosphoratum, 1%	1-5 ℥.
18	" pimentæ	1-5 ℥.
19	" rosmarini	1-5 ℥.
20	" sabinæ	1-5 ℥.
21	" sassafras	1-5 ℥.
22	" sinapis volatile	$\frac{1}{2}$ - $\frac{1}{4}$ ℥.
23	" thymi	1-5 ℥.
24	" tigllii (<i>croton oil</i>)	$\frac{1}{4}$ -2 ℥.

Maximum dose between 5 and 30 minims:

1	Oleum chenopodii	2-10 ℥.
2	" copaibæ	5-15 ℥.
3	" cubebæ	5-20 ℥.
4	" erigerontis	5-15 ℥.
5	" eucalypti	5-30 ℥.
6	" juniperi	2-10 ℥.
7	" santali	2-10 ℥.
8	" terebinthinæ	5-30 ℥.
9	" " purificatum	5-30 ℥.

Maximum dose more than one drachm:

Oleum amygdalæ expressum	1-4 dr.
" lini (<i>linseed</i>)	$\frac{1}{2}$ -2 oz.
" morrhuæ (<i>cod liver</i>)	1-4 dr.

Oleum olivæ.....	freely.
“ ricini (<i>castor</i>).....	$\frac{1}{4}$ -2 oz.
“ sesami	indefinite.
Oleum aurantii corticis.	} flavoring.
“ bergamottæ.	
“ limonis.	
“ rosæ.	
Oleum adipis.	} used in pharmacy.
“ æthereum.	
Oleum myrtæ	perfume.
“ gossypii seminis.	} externally.
“ picis liquidæ.	
“ cadini.	
“ theobromatis.	

OLEORESINÆ:

Oleoresina aspidii....	$\frac{1}{4}$ -1 dr.
“ capsici.....	$\frac{1}{4}$ -1 ℥.
“ cubebæ.....	5-30 ℥.
“ lupulini.....	1-5 gr.
“ piperis.....	$\frac{1}{4}$ -1 gr.
“ zingiberis.....	$\frac{1}{4}$ -2 ℥.

PILULÆ:

Pilulæ aloes, 2 gr.....	1-4 pills.
“ “ 3-4 gr.	1-5 “
“ “ ferri, 1 gr.....	1-4 “

l. laxativæ Co. $\left. \begin{array}{l} \text{Ipecac } \frac{1}{2} \text{ gr} \\ \text{Aloes } - \frac{1}{2} \text{ gr} \\ \text{Styrph. } \frac{1}{2} \text{ gr} \\ \text{Ext. Belladonna } \frac{1}{2} \text{ gr} \end{array} \right\} \rightarrow 2 \text{ pills}$
 104 PREPARATIONS.

Pilulæ aloes et mastiches ("Lady

Webster"), 2 gr. 1-3 pills.

" aloes et myrrhæ, 2 gr. 2-10 "

" ~~antimonii~~ compositæ (*Plum-*
mer's pills) 1-3 "

" asafœtidæ, 3 gr. 1-4 "

" cathartica compositæ 1-3 "

Calomel. 1 gr.

Ext. jalapæ. $\frac{1}{2}$ gr.

" colocynthis co. $1\frac{1}{2}$ gr.

Gamboge $\frac{1}{2}$ gr.

Pilulæ catharticae vegetabiles. 1-5 "

Ext. colocynthis co. 1 gr.

" hyoscyami. $\frac{1}{2}$ gr.

" jalapæ. $\frac{1}{2}$ gr.

" leptandræ. $\frac{1}{2}$ gr.

Res. podophylli. $\frac{1}{2}$ gr.

Ol. menthæ piperitæ. q. s.

Pilulæ ferri carbonatis (*Blaud's pills*).. 1-2 "

" " iodidi 1-2 "

" opii, 1 gr. 1-2 "

" phosphori, $1\frac{1}{10}$ gr. 1-5 "

" ~~raci~~, 3 gr. 1-5 "

" compositæ, 2 gr. 1-3 "

PULVES:

Pulvis antimonialis (*James' powder*).... 3-15 gr.

" aromaticus. 10-30 gr.

Pulvis cretæ compositus.....	5-60 gr.
“ effervescens compositus (<i>Seidlitz powder</i>).....	one powder.
“ glycyrrhizæ compositus.....	$\frac{1}{4}$ -2 dr.
“ ipecacuanhæ et opii (<i>Dover's powder</i>), each 10%.....	3-15 gr.
“ jalapæ compositus.....	$\frac{1}{4}$ -1 dr.
“ morphinæ “ (<i>Tully's powder</i>), 8 gr. to 1 oz.....	5-15 gr.
“ rhei compositus (<i>Gregory's powder</i>).....	$\frac{1}{4}$ -1 dr.

RESINÆ:

Resina.

“ ospaiba	5-15 gr.
“ jalapæ.....	1-5 gr.
“ podophylli.....	$\frac{1}{4}$ -1 gr.
“ scammonii.....	1-8 gr.

SPIRITUS:

Maximum dose one drachm or less:

Spiritus ætheris.....	$\frac{1}{4}$ -1 dr.
“ “ compositus (<i>Hoffman's anodyne</i>).....	5-60 ℥.
“ ammoniæ.....	10-60 ℥.
“ amygdalæ amaræ.....	15-45 ℥.
“ camphoræ.....	$\frac{1}{4}$ -1 dr.

Spiritus chloroformi (<i>chloric ether</i>).....	$\frac{1}{4}$ -1 dr.
" cinnamomi.....	10-30 ℥.
" glonoini (<i>spirit of nitroglycerine</i>).....	1-3 ℥.
" juniperi.....	$\frac{1}{4}$ -1 dr.
" lavandulæ.....	$\frac{1}{4}$ -1 dr.
" limonis.....	flavoring.
" menthæ piperitæ.....	5-15 ℥.
" " viridis.....	5-15 ℥.
" myristicæ.....	$\frac{1}{4}$-1 dr.
" phosphori.....	8-40 ℥.

Maximum dose more than one drachm:

1	Spiritus ætheris nitrosi (<i>sweet spirit of nitre</i>).....	$\frac{1}{4}$ -2 dr.
2	" ammoniæ aromaticus.....	$\frac{1}{4}$ -2 dr.
3	" anisi.....	1-2 dr.
4	" aurantif.....	} vehicle.
5	" " compositus.....	
6	" frumenti (<i>whiskey</i>).....	indefinite.
7	" gaultheriæ.....	1-2 dr.
8	" juniperi compositus.....	1-4 dr.
9	" myrsinæ.....	perfume.
10	" vini gallici (<i>brandy</i>).....	indefinite.

SYRUPUS:

Syrupus.....	freely.
" acaciæ.....	"

Syrupus acidi citrici.....	1-4 dr.
" " hydriodici.....	$\frac{1}{2}$ -1 dr.
" albi	1-4 dr.
" albi	freely.
" amygdalæ.....	"
" aurantii.....	vehicle.
" " florum.....	freely.
" calcii phosphatis.....	1-2 dr.
" calcis.....	15-60 ℥.
" ferri iodidi.....	5-30 ℥.
" " quininae et strychninae phosphatum.....	$\frac{1}{2}$ -1 dr.
" hypophosphitum.....	1-2 dr.
" " — cum ferro....	1-2 dr.
" ipecacuanhæ.....	5 ℥-2 dr.
" krameria.....	$\frac{1}{2}$ -4 dr.
" lactucarii.....	1-4 dr.
" picis liquidæ.....	1-4 dr.
" pruni Virginianæ.....	1-4 dr.
" rhei.	
" " aromaticus.....	1 dr. for child.
" rosæ.....	1-2 dr.
" rubi.....	1-2 dr.
" — idæi.....	freely.
" sarsaparillæ compositus.....	$\frac{1}{2}$ -1 oz.
" scillæ.....	$\frac{1}{2}$ -1 dr.
" " compositus (<i>hive syrup</i>)..	5-30 ℥.

Syrupus senegæ.....	1-2 dr.
" sennæ.....	$\frac{1}{2}$ -1 oz.
" tolutani.....	$\frac{1}{2}$ -1 oz.
" zingiberis.....	$\frac{1}{2}$ -2 oz.

TINCTURÆ:

Maximum dose half a drachm or less:

1 Tr. aconiti	$\frac{1}{2}$ -5 ℥.
2 " arnicæ radicis <i>florum</i>	5-10 ℥.
3 " belladonnæ foliorum.....	5-30 ℥.
4 " cannabis indicæ.....	5-30 ℥.
5 " cantharidis.....	1-15 ℥.
6 " colchici seminis.....	10-30 ℥.
7 " digitalis.....	5-30 ℥.
8 " iodi.....	1-5 ℥.
9 " ipecacuanhæ et opii.....	3-15 ℥.
10 " lobeliæ.....	5-30 ℥.
11 " nucis vomicæ.....	5-20 ℥.
12 " opii (<i>laudanum</i>).....	3-20 ℥.
13 " camphorata (<i>paragoric</i>), for child.....	3-20 ℥.
14 " opii deodorata.....	3-20 ℥.
15 " physostigmatis.....	10-30 ℥.
16 " sanguinariæ..dose } expectorant, } emetic.....	5-30 ℥. 1-4 dr.
17 " scillæ.....	5-30 ℥.
18 " stramonii seminis	5-30 ℥.

19	Tr. strophanthi.....	2-10 ℥.
20	“ veratri viridis.....	2-10 ℥.

Maximum dose one drachm:

Tr. aloes	15-60 ℥.
“ asafœtidæ.....	30-60 ℥.
“ arnicæ florum.....	15-45 ℥.
“ benzoini.....	30-60 ℥.
“ “ composita	30-60 ℥.
“ capsici.....	5-60 ℥.
“ ferri chloridi.....	5-60 ℥.
“ gelsemii.....	15-60 ℥.
“ guaiaci.....	30-60 ℥.
“ “ ammoniata.....	30-60 ℥.
“ lavandulæ composita.....	30-60 ℥.
“ moschi.....	15-60 ℥.
“ myrrhæ.....	15-60 ℥.
“ zingiberis.....	15-60 ℥.

Maximum dose more than one drachm:

Tr. aloes et myrrhæ.....	1-2½ dr.
“ antiperiodica (<i>Warburg's tincture</i>)..	1-4 dr.
“ aurantii amari.....	1-2 dr.
“ “ dulcis.....	1-2 dr.
✱ bryoniæ.....	1-5 dr. ✱
“ calendulæ.....	1-4 dr.
“ calumbæ.....	1-4 dr.
“ cardamomi.....	1-2 dr.

Tr. cardamomi composita.....	2-4 dr.
" catechu "	$\frac{1}{2}$ -2 dr.
" chiratæ	$\frac{1}{2}$ -2 dr.
" cimicifugæ.....	$\frac{1}{2}$ -2 dr.
" cinchonæ	$\frac{1}{2}$ -2 dr.
" " composita.....	1-4 dr.
" cinnamomi.....	1-2 dr.
" croci	1-2 dr.
" cubebæ	$\frac{1}{2}$-2 dr.
" gallæ	1-2 dr.
" gentianæ composita.....	1-4 dr.
" humuli	1-2 dr.
" hydrastis.....	$\frac{1}{2}$ -2 dr.
" hyoscyami.....	1-4 dr.
" kino.....	$\frac{1}{2}$ -2 dr.
" krameria.....	$\frac{1}{2}$ -2 dr.
" lactucarii	$\frac{1}{2}$ -2 dr.
" maticæ	$\frac{1}{2}$-2 dr.
" opii camphorata.....	1-4 dr.
" pyrethri.....	
" quassia.....	$\frac{1}{2}$ -2 dr.
" quillajæ.....	$\frac{1}{2}$ -2 dr.
" rhei.....	1-4 dr.
" " aromatica.....	1-3 dr.
" " dulcis	$\frac{1}{2}$-2 dr.
" serpentaria.....	$\frac{1}{2}$ -2 dr.
" sumbul.....	1-4 dr.

Burg's Dr.

Guaiacum 50g

Castoreum 10g

Subarb
Amphor

PREPARATIONS.

111

Tr. tolutana.....	1-2 dr.
" valerianæ.....	$\frac{1}{2}$ -2 dr.
" " ammoniata.....	$\frac{1}{2}$ -2 dr.
" vanillæ.....	flavoring.

VINA:

Vinum album.....	menstruum.
" antimonii.....	5-60 ℥.
" colchici radice.....	5-15 ℥.
" " seminis.....	10-30 ℥.
" ergotæ.....	1-4 dr.
" ferri amarum.....	1-4 dr.
" " citratis.....	1-2 dr.
" ipecacuanhæ.....	1-60 ℥.
" opii (<i>Sydenham's laudanum</i>), 10%.....	3-20 ℥.
" rubrum.....	menstruum.

A CLASSIFICATION OF DRUGS, BASED CHIEFLY ON PHYSIO- LOGICAL ACTION.

Alterative. A drug or remedial agent which profoundly affects nutrition.

Mercury.

Iodine and its compounds.

Arsenic..... $\frac{1}{8}$ to $\frac{1}{6}$ gr.

Colchicum.....radix 2-8 gr., semen 1-5 gr.

Phosphorus and the hypophosphites.

Organic extracts, *e.g.*, thyroid, etc.

Anaesthetic. A substance capable of producing temporary loss or impairment of feeling or sensation. They are divided into *general* and *local*.

General.

Chloroform..... 2-20 ℥.

Ether..... 5-60 ℥.

Nitrous oxide.

Ethylene bichloride.

Methylene “

Pental.

Local.

Cold (ice or rapidly evaporating liquids).

Cocaine $\frac{1}{8}$ -2 gr.

Analgesic. A medicine, drug, or remedial agent which brings about an incapacity of feeling pain in a part, although the tactile sense may be more or less preserved.

Applied especially to:

Antipyrin..... 3-20 gr.

Phenacetin..... 5-10 gr.

Antifebrin..... 2-5 gr.

Exalgin $\frac{1}{2}$ -3 gr.

And other coal-tar products which are not official.

Anaphrodisiac. A drug or remedial agent capable of depressing sexual desire.

Bromides.

Opium..... $\frac{1}{4}$ -2 gr.

Potassium iodide..... 5-60+ gr.

Belladonna..... folia 1-5 gr.

Hyoscyamus..... 5-15 gr.

Stramonium..... semen 1-3 gr., folia 1-5 gr.

Anhidrotic. A drug which checks or tends to check sweating.

Atropine (*belladonna*)..... $1\frac{1}{20}$ - $\frac{1}{8}$ gr.

Hyoscyamus..... 5-15 gr.

Stramonium.....	semen 1-3 gr., folia 1-5 gr.
Agaricin	$\frac{1}{3}$ - $\frac{1}{2}$ gr.
Acids.	
Picrotoxine	$\frac{1}{10}$-$\frac{1}{6}$ gr.
Muscarine.....	$\frac{1}{8}$ -2 gr.
Nux vomica.....	1-4 gr.

Anodyne. A drug or remedial agent capable of relieving pain.

Local Anodynes.

Cold.

Aconite.....	$\frac{1}{2}$ -2 gr.
Menthol.....	$\frac{1}{2}$ -2 gr.
Carbolic acid.....	$\frac{1}{2}$ -1 gr.
Iodoform.....	1-3 gr.
Chloral.....	5-20 gr.
Dilute hydrocyanic acid.....	1-3 M.
Sodium bicarbonate.....	5-60 gr.
Belladonna.....	folia 1-5 gr.
Stramonium.....	semen 1-3 gr., folia 1-5 gr.
Hyoscyamus.....	5-15 gr.
Opium.....	$\frac{1}{4}$ -2 gr.
Veratrine.....	$\frac{1}{10}$-$\frac{1}{6}$ gr.
Zinc oxide.....	1-5 gr.
Certain volatile oils.	

Antacid. An alkali used as a remedy for acidity in the stomach.

Ammonia.

Potassium (some preparations).

Sodium " "

Calcium " "

Magnesia 5-60 gr.

Magnesia ponderosa..... 5-60 gr.

Anthelmintic. A drug or remedial agent used for the removal of intestinal worms. *Taniafuge*—useful against the several varieties of tapeworm.

For Tapeworm.

Aspidium..... $\frac{1}{2}$ -1 $\frac{1}{2}$ dr.

Granatum..... $\frac{1}{2}$ -1 $\frac{1}{2}$ dr.

Kousso..... 2-4 dr.

~~Kamala~~..... 1-2 dr.

Pepo..... 1-3 oz.

Turpentine..... $\frac{1}{2}$ -4 dr.

Chloroform..... 2-20 ℥.

For Roundworm.

Santonica..... 15-60 gr.

Spigelia..... $\frac{1}{4}$ -2 dr.

Senna..... 1-3 dr.

~~Chenopodium~~..... 15-30 gr.

For Threadworm.

Mostly as injections:

Tannic acid..... 1-20 gr.

and drugs containing it.

For Anguillula intestinalis

Polygonum

— See Jour. A. M. A. Mar.

P. 109

Turpentine..... 5-30 ℥., $\frac{1}{2}$ -4 dr.
 Sodium chloride..... 5-60 gr.
 Carbolic acid..... $\frac{1}{2}$ -1 gr.
 Vinegar.
 Ferric salts.
 Soapsuds.

Vegetable bitters - Calumba etc.

Antiperiodic. A drug for the cure of diseases exhibiting periodicity, especially malarial fever and its manifestations.

Quinine, 1-20 gr.	{ Warburg's tincture, 1-4 dr.
	{ Cinchona..... 10-60 gr.
Arsenic.....	$\frac{1}{10}$ - $\frac{1}{10}$ gr.
Eucalyptus.....	$\frac{1}{2}$ -2 dr.
Hydrastis.....	5-60 gr.
Salicin.....	5-30 gr.
Salicylic acid.....	5-60 gr.
Oleum gaultheriae.....	1-5 ℥.
Methyl salicylate.....	1-5 ℥.
Berberine.	

Antipyretic. A drug or remedial agent which diminishes the body temperature.

Cold.

Evaporating liquids.

Antipyrin..... 3-20 gr.
 Antifebrin..... 2-5 gr.

Phenacetin.....	5-10 gr.
Other coal-tar products.	
Quinine.....	1-20 gr.
Salicin.....	5-30 gr.
Salicylic acid.....	5-60 gr.
Oleum gaultheriæ.....	1-5 ℥.
Methyl salicylate.....	1-5 ℥.
Aconite.....	$\frac{1}{4}$ -2 gr.
Antimony.	
Diaphoretics.	

Antiseptics. Brunton divides drugs or agents which act upon microbes into four classes:

1. "*Antizymotics* are substances which prevent fermentation, and the most typical of them is corrosive sublimate, which prevents the action both of enzymes and zymogens."
2. "An *antiseptic* is a substance which destroys those microbes or organized ferments which produce putrefaction."
3. *Disinfectants* "are substances that possess a special power to destroy those microbes which tend to produce disease."
4. "*Deodorizers* are simply those substances which take away the disagreeable smell which frequently accompanies the decomposition of substances."

Antiseptics.

Heat.

Corrosive sublimate.....	$\frac{1}{80}$ - $\frac{1}{10}$ gr.
Carbolic acid.....	$\frac{1}{2}$ -1 gr.

Hydrogen peroxide.....	1-3 dr.
Potassium permanganate.....	$\frac{1}{2}$ gr.
Boric acid.....	5-15 gr.
Iodoform.....	1-3 gr.
Iodine.	
Sulphurous acid.....	$\frac{1}{2}$ dr.
Lime.	
Eucalyptus	$\frac{1}{2}$ dr.
Creolin.....	1-5 μ .
Lysol.	
Chlorine.	
Bromine.	
Benzoin.	
Zinc chloride.	
Zinc oxide.....	1-5 gr.
Ferric oxide.	
Alcohol.	
Menthol	$\frac{1}{2}$ gr.
Balsam of Peru.....	10-30 μ .
Balsam of tolu.....	10-30 gr.
Quinine.....	1-20 gr.

Intestinal Antiseptics.

Creosote	$\frac{1}{2}$ μ .
Carbolic acid.....	$\frac{1}{2}$ -1 gr.
Salol.....	5-30 gr.
Salicin.....	5-30 gr.

Salicylic acid.....	5-60 gr.
Bismuth salicylate.....	5-20 gr.
Resorcin.....	2-5 gr.
Boric acid.....	5-15 gr.
Eucalyptus.....	$\frac{1}{2}$ -2 dr.
Thymol.....	1-15 gr.
Sodium hyposulphite.....	5-20 gr.
" sulphocarbolate.....	5-30 gr.
Sulphurous acid.....	$\frac{1}{2}$ -2 dr.
Naphtol.....	1-20 gr.
Naphtalin.....	1-20 gr.
Corrosive sublimate.....	$\frac{1}{80}$ - $\frac{1}{10}$ gr.

Antispasmodics. Agents which arrest or cure spasms or convulsions. Applied especially to spasm of bronchial tubes.

Stramonium.....	semen 1-3 gr., folia 1-5 gr.
Belladonna.....	folia 1-5 gr.
Hyoscyamus.....	5-15 gr.
Grindelia.....	$\frac{1}{2}$ -1 dr.
Aspidosperma	5-30 gr.
Ether.....	5-60 ℥.
Chloroform.....	2-20 ℥.
Opium.....	$\frac{1}{2}$ -2 gr.
Chloral.....	5-20 gr.
Amyl nitrite.....	1-3 ℥.

Cannabis Indica..... 2-5 gr.

Conium..... 2-5 gr.

Aphrodisiac. A drug which increases the sexual desire.

Strychnia..... $\frac{1}{80}$ - $\frac{1}{20}$ gr.

Alcohol.

Cantharides, tr..... 1-15 μ l.

Cannabis Indica..... 2-5 gr.

Camphor..... 3-20 gr.

Phosphorus..... $\frac{1}{100}$ - $\frac{1}{20}$ gr.

Damiana..... $\frac{1}{2}$ -1 oz.

Astringent. A drug which contracts the tissues and vessels of the body, thereby diminishing or checking excessive discharges.

Mineral.

Silver salts,

Lead “

Zinc “

Copper salts.

Ferric “

Alum..... 5-30 gr.

Bismuth salts.

Sulphuric acid.

Calcium (some preparations).

Lime-water..... 1-8 dr.

Vegetable.

Tannic acid.	Galla, tr.....	1-2 dr.
	Quercus alba.	
	Krameria.....	5-30 gr.
	Kino.....	5-30 gr.
	Catechu.....	10-30 gr.
	Hæmatoxylon, ext....	5-15 gr.
	Cinnamon.	
	Eucalyptus gum.....	2-10 gr.
	Hamamelis, ext. fl....	$\frac{1}{2}$ -2 dr.
Opium.....		$\frac{1}{4}$ -2 gr.
Belladonna.....	folia	1-5 gr.
Hyoscyamus.....		5-15 gr.
Stramonium.....	semen	1-3 gr., folia 1-5 gr.

Cardiac Depressant or Sedative. A drug which decreases the force or frequency, or both force and frequency, of the heart.

Aconite	$\frac{1}{4}$ -2 gr.
Veratrum viride.....	1-5 gr.
Antimony.	
Dilute hydrocyanic acid.....	1-3 ℥.

Cardiac Stimulant. A drug which increases the force or frequency, or both force and frequency, of the heart.

Digitalis.....	$\frac{1}{4}$ -3 gr.
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Ammonia.	
Alcohol.	
Caffeine.....	1-5 gr.
Ether.....	5-60 ℥.
Nux vomica.....	1-4 gr.
Strophanthus, tr.....	2-10 ℥.
Sparteïn, sulph.....	$\frac{1}{10}$ -2 gr.
Adonidin.....	$\frac{1}{8}$ - $\frac{1}{4}$ gr.
Amyl nitrite.....	1-3 ℥.
Convallaria, ext. fl.....	5-30 ℥.
Sodium nitrite.....	2-5 gr.
Nitroglycerine.....	$\frac{1}{100}$ - $\frac{1}{20}$ gr.
Squill.....	1-5 gr.
Cereus grandiflorus, ext. fl.....	10-30 ℥.
Quinine.....	1-20 gr.
Opium.....	$\frac{1}{2}$ -2 gr.
Arsenic.....	$\frac{1}{80}$ - $\frac{1}{10}$ gr.
Mustard, externally.	

Carminative. A drug which causes the expulsion of gas from the stomach and intestines.

Stomachics, *q. v.*

Bitters.

Condiments.

Asafoetida, tr.....	$\frac{1}{2}$ -1 dr.
Valerian.....	10-30 gr.
Camphor.....	3-20 gr.
Ammoniacum.....	5-30 gr.

*** Cholagogue.** A drug which increases the quantity of bile secreted.

<i>Salic. Ales</i> Podophyllum.....	5-20 gr.
Aloes.....	$\frac{1}{2}$ -10 gr.
Colocynth.....	2-8 gr.
Euonymus.....	1-2 dr.
Mercur. Iridin.....	1-5 gr.
Sodium phosphate.....	5 gr.-1 oz.
Ipecacuanha.....	$\frac{1}{2}$ -2 gr., 15-30 gr.
Dilute nitric acid.....	5-30 ℥.
Dilute nitrohydrochloric acid.....	5-30 ℥.
Corrosive sublimate.....	$\frac{1}{60}$ - $\frac{1}{10}$ gr.
Sodium benzoate.....	5-60 gr.
" sulphate.....	1-8 dr.
Potassium ".....	$\frac{1}{2}$ -4 dr.
Colchicum..... radix 2-8 gr., semen	1-5 gr.
Ammonium benzoate.....	5-20 gr.
Rhubarb.....	10-30 gr.
Jalap.....	5-20 gr.
Scammony.....	5-15 gr.
Arsenic.....	$\frac{1}{60}$ - $\frac{1}{10}$ gr.

Counter-irritant. A drug or remedial agent applied to the skin with the object of altering the size of the vessels of the subjacent viscera. (See Irritants.)

Deliriant. A drug which produces a state of mental agitation, characterized by restlessness, incoherence of speech, and various sensory illusions.

* Best cholagogue is a square measure
 2nd best " Bile (of gall)
 3d " Salicylic acid
 about 1 pt. of bile formed in 24 hr.
 " 1 2 " excreted " ")

*cocaine
salicylates
quinine
alcohol*

sodiumform

Belladonna.....	folia 1-5 gr.
Stramonium.....	semen 1-3 gr., folia 1-5 gr.
Hyoscyamus.....	5-15 gr.
Cannabis Indica.....	2-5 gr.

Demulcent. A drug or remedial agent which protects and soothes a part, especially a mucous membrane,

Flaxseed.
Glycerine.
Gelatine.
Gum.
White of egg.
Isinglass, etc.

Diaphoretic. A drug or remedial agent which increases the amount of perspiration.

Warmth, externally.
Hot drinks.
Pilocarpus..... 5-60 gr.
Alcohol.
Dover's powder..... 3-15 gr.
Sweet spirit of nitre..... $\frac{1}{2}$ -2 dr.
Ammonium acetate, liq..... 2-8 dr.
Potassium citrate..... 5-30 gr.
" acetate..... 5-60 gr.
Antimony.
~~Nicotine.~~

Ipecacuanha	$\frac{1}{2}$ -2 gr.,	15-30 gr.
Opium	$\frac{1}{4}$ -2 gr.	
Camphor	3-20 gr.	
Senega	10-20 gr.	
Cubeb	30-60 gr.	
Colchicum.....	radix 2-8 gr., semen	1-5 gr.
Quinine	1-20 gr.	
Salicin	5-30 gr.	
Lobelia	1-10 gr.	

Diuretic. A drug or remedial agent which increases the amount of urine excreted.

Water.

Liquor potassæ	5-30 ℥.
Potassium acetate.....	5-60 gr.
“ citrate.....	5-30 gr.
“ nitrate.....	5-20 gr.
“ bicarbonate.....	5-60 gr.

• Sodium acetate..... 10-60 gr.

Lithium.

Sweet spirit of nitre..... $\frac{1}{2}$ -2 dr.

Nitrites:

Digitalis..... $\frac{1}{4}$ -3 gr.

Scoparius..... $\frac{1}{4}$ -1 dr.

Alcohol.

Strophanthus, tr..... 2-10 ℥.

Diuretin..... 15-30 gr.

Calomel (small doses).

Caffeine	1-5 gr.
Squill.....	1-5 gr.
Cantharides, tr.....	1-15 ℥.
Buchu	15-30 gr.
Juniper (<i>also in gin</i>).	
Turpentine.....	5-30 ℥, $\frac{1}{2}$ -4 dr.
Uva ursi.....	$\frac{1}{2}$ -1 dr.
Cubeb	30-60 gr.
Copaiba	$\frac{1}{2}$ -1 dr.

Ecbolic. See **Oxytocics.**

Emetic. A drug or remedial agent capable of producing vomiting.

Acting on the Stomach.

Warm water.

Sodium chloride.....	5-60 gr.
Alum.....	5-30 gr.
Ammonium carbonate.....	2-15 gr.
Copper sulphate.....	$\frac{1}{2}$ - $\frac{1}{2}$ gr., 2-20 gr.
Zinc "	$\frac{1}{2}$ -2 gr., 10-30 gr.
Tartar emetic.....	$\frac{1}{10}$ - $\frac{1}{2}$ 1-2 gr.
Turpeth mineral.	$\frac{1}{2}$-1 gr.
Ipecacuanha	$\frac{1}{2}$ -2 gr., 15-30 gr.

Acting Centrally.

Apomorphine.....	$\frac{1}{16}$ - $\frac{1}{8}$ gr., $\frac{1}{10}$ - $\frac{1}{10}$ gr.
Tartar emetic.....	$\frac{1}{10}$ - $\frac{1}{2}$ 1-2 gr.
Ipecacuanha.....	$\frac{1}{2}$ -2 gr., 15-30 gr.

Senega.....	10-20 gr.
Squill.....	1-5 gr.
Zinc sulphate.....	$\frac{1}{4}$ -2 gr., 10-30 gr.
Copper ".....	$\frac{1}{8}$ - $\frac{1}{4}$ gr., 2-20 gr.

Antemetic. A drug or remedial agent which relieves or tends to relieve vomiting.

Acting Locally.

Ice.

Carbonated waters.

Very hot water.

Bismuth subnitrate..... 5-60 gr.

" subcarbonate..... 5-60 gr.

Opium..... $\frac{1}{4}$ -2 gr.

Dilute hydrocyanic acid..... 1-3 ℥.

Cocaine (*hydrochlor.*)..... $\frac{1}{8}$ -2 gr.

Cereum oxalate..... 1-8 gr.

Tincture of iodine..... 1-5 ℥.

Wine of ipecac..... 1-60 ℥.

Menthol..... $\frac{1}{4}$ -2 gr.

Carbolic acid..... $\frac{1}{4}$ -1 gr.

Creosote..... $\frac{1}{4}$ -2 ℥.

Chloroform..... 2-20 ℥.

Ether..... 5-60 ℥.

Acting Centrally.

Opium..... $\frac{1}{4}$ -2 gr.

Bromides.

Chloral..... 5-20 gr.

Ammonium.

Amyl nitrite..... 1-3 ℥.

Nitroglycerine..... $\frac{1}{100}$ - $\frac{1}{50}$ gr.

Dilute hydrocyanic acid..... 1-3 ℥.

Alcohol.

Hyoscyamine (*sulph.*)..... $\frac{1}{80}$ - $\frac{1}{50}$ gr.

Emmenagogue. A drug which increases or restores the menstrual flow.

Apiol..... 5-15 gr.

Potassium permanganate..... $\frac{1}{2}$ -2 gr.

Manganese dioxide..... 2-10 gr.

Aloes..... $\frac{1}{2}$ -10 gr.

Cantharides, tr..... 1-15 ℥.

Myrrh..... 5-30 gr.

Rue, oleum..... 1-~~4~~ ℥.~~Tammy~~..... ~~$\frac{1}{2}$ -1~~ dr.

Sabine..... 5-15 gr.

Pennyroyal, oleum..... 1-5 ℥.

By Improving Nutrition.

Tonics.

Iron.

Arsenic..... $\frac{1}{80}$ - $\frac{1}{10}$ gr.

Copper.

Emollient. An agent which softens and protects parts, especially the skin.

Hot water.

Poultices.

Bland oils, etc.

Escharotic or Caustic. An agent which destroys the vitality of the part to which it is applied.

Heat.

Sulphuric acid.

Nitric “

Chromic “

Mercuric nitrate.

Caustic potash.

“ soda.

Arsenic ~~10~~ $\frac{1}{10}$ gr.

Zinc chloride.

Sodium ethylate.

Expectorant. A drug or remedial agent which aids or causes the expulsion of the bronchial secretion. They are stimulating or depressing, according to their action on the heart.

Stimulating.

Ammonium salts.

Senega 10-20 gr.

Squill 1-5 gr.

Benzoic acid 5-15 gr.

Benzoin.

Balsam of tolu 10-30 gr.

“ “ Peru 10-30 ℥.

Sulphur 15-60 gr.

Depressing.

Antimony.

Ipecacuanha..... $\frac{1}{2}$ -2 gr., 15-30 gr.Apomorphine..... $\frac{1}{30}$ - $\frac{1}{8}$ gr., $\frac{1}{20}$ - $\frac{1}{10}$ gr.

Lobelia 1-10 gr.

Pilocarpus..... 5-60 gr.

Alkalies.

Potassium iodide..... 5-60+ gr.

Galactagogue. A drug which increases the quantity of milk secreted.

Pilocarpus..... 5-60 gr.

Castor-oil leaves

Alcohol.

Antigalactagogue. A drug which diminishes the quantity of milk secreted or arrests the secretion.

Belladonna.....folia 1-5 gr.

Hematinic. A drug which increases the amount of hemoglobin in the red blood cells.

Iron.

Arsenic..... $\frac{1}{30}$ - $\frac{1}{10}$ gr.

Potassium permanganate.

Copper.

Hemostatic. An agent which stops bleeding.

Cold.

Most astringents..... *q. v.*

Calcium chloride, in bleeders.....	5-20 gr.
Ergot	30-60 gr.

Hypnotic. A drug which produces sleep closely resembling natural sleep.

Opium.....	$\frac{1}{4}$ -2 gr.
Chloral	5-20 gr.
Butyl chloral.....	5-20 gr.
Chloralamide.....	10-30 gr.
Bromides.....	5-60 gr.
Monobromated camphor.....	2-10 gr.
Hyoscyamus.....	5-15 gr.
Cannabis Indica	2-5 gr.
Sulphonal	15-40 gr.
Trional	7-30 gr.
Paraldehyde	$\frac{1}{4}$ -1 dr.
Urethane.....	5-30 gr.
Somnal	15-30 m .
Amylene hydrate.....	$\frac{1}{4}$ -1 dr.
Humulus, tr.....	1-2 dr.
Lupulin	5-30 gr.
Lactucarium	5-60 gr.
Alcohol.	

Irritant. An agent which causes dilatation of the vessels of the part to which it is applied—generally accompanied by pain.

Heat.

Aqua ammoniæ.....	10-20 m .
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Mercuric nitrate.

Arsenous acid..... $\frac{1}{10}$ – $\frac{1}{10}$ gr.

Tartar emetic..... $\frac{1}{10}$ – $\frac{1}{4}$ –1–2 gr.

Antimony chloride.

Silver nitrate $\frac{1}{4}$ –1 gr.

Zinc chloride.

Iodine.

Bromine.

Chlorine.

Phosphorus..... $\frac{1}{100}$ – $\frac{1}{10}$ gr.

Cantharides, tr..... 1–15 μ l.

Croton oil..... $\frac{1}{4}$ –2 μ l.

Copper nitrate.

“ sulphate..... $\frac{1}{8}$ – $\frac{1}{4}$ gr., 2–20 gr.

Volatile oils.

Chrysarobin.

Camphor..... 3–20 gr.

Capsicum..... 1–8 gr.

Senega 10–20 gr.

Ipecac $\frac{1}{4}$ –2 gr., 15–30 gr.

Mineral acids.

Carbolic acid..... $\frac{1}{4}$ –1 gr.

Creosote $\frac{1}{4}$ –2 μ l.

Alcohol.

Chloroform..... 2–20 μ l. } confined.

Ether..... 5–60 μ l. }

Burgundy pitch.

Canada “

Mydriatic. A drug which dilates the pupil.

Atropine (sulph.).....	$1\frac{1}{20}-\frac{1}{20}$ gr.
Homatropine (hydrobrom.)	$1\frac{1}{20}-\frac{1}{20}$ gr.
Hyoscyamine (sulph.).....	$\frac{1}{20}-\frac{1}{20}$ gr.
Daturine.	
Cocaine (hydrochlor.)	$\frac{1}{2}-2$ gr.
Gelsemine	$\frac{1}{20}-\frac{1}{20}$ gr.
Muscarine.....	$\frac{1}{2}-2$ gr.
Anæsthetics (late).	

Myotic. A drug which contracts the pupil.

Physostigmine (sulph.).....	$1\frac{1}{20}-\frac{1}{20}$ gr.
Opium.....	$\frac{1}{2}-2$ gr.
Pilocarpine (hydrochlor.)	$\frac{1}{2}-\frac{1}{2}$ gr.
Nicotine.	
Anæsthetics (early).	

Narcotic. A drug which causes an unequal disturbance of the functions of the brain (Brunton). A substance which not only produces sleep, but also in large doses depresses the functions of respiration and circulation (White).

General anæsthetics.

Opium.....	$\frac{1}{2}-2$ gr.
Chloral.....	5-20 gr.
Belladonna.....folia	1-5 gr.
Hyoscyamus.....	5-15 gr.
Stramonium.....folia	1-5 gr., semen 1-3 gr.

Alcohol.

Cannabis Indica..... 2-5

Lupulin..... 5-30

Oxytocic. A drug which increases uterine contraction during or immediately after labor.

Ergot..... 30-60

~~Tansy~~..... $\frac{1}{4}$ -1

Rue, oleum..... 1-~~5~~

Sabine..... 5-15

Cotton-root bark..... $\frac{1}{4}$ -1

Quinine..... 1-20

Hydrastis..... 5-60

Purgatives are subdivided as follows:

Laxatives, which promote the action of the bow by slightly stimulating peristalsis:

Brown bread, etc., containing cellulose residue.

Sugars.

Fruits, *e.g.*,

Prune,

Fig,

Apples (with skin).

Cassia..... 1-8

Olive oil..... freely

Castor oil (in small doses).

Glycerine..... 5-60

Sulphur..... 15-60

Magnesium.

Nux vomica.....	1-4 gr.
Belladonna.....folia	1-5 gr.
Hyoscyamus.....	5-15 gr.
Stramonium.....semen	1-3 gr., folia 1-5 gr.

Simple Purgatives, which promote the action of the bowels by stimulating peristalsis and increasing the secretion.

Rhubarb	1-5 gr., 10-30 gr.
Aloes.....	$\frac{1}{2}$ -10 gr.
Cascara sagrada.....	$\frac{1}{4}$ -1 dr.
Senna.....	1-3 dr.
Ox-gall.....	5-15 gr.

8-10

24

8

Drastic Purgatives or Cathartics, which are more powerful than simple purgatives, and act by actively stimulating peristalsis and the intestinal secretion.

Calomel.....	$\frac{1}{10}$ 10 gr.
Colocynth.....	2-8 gr.
Podophyllum.....	5-20 gr.
Aloes.....	$\frac{1}{2}$ -10 gr.
Gamboge.....	1-5 gr.
Turpentine.....	5-30 \mathfrak{m} ., $\frac{1}{2}$ -4 dr.
Croton oil.....	$\frac{1}{4}$ -2 \mathfrak{m} .

Hydragogue Cathartics, or cathartics which cause the secretion of large quantities of liquid.

Elaterin.....	$\frac{1}{20}$ - $\frac{1}{12}$ gr.
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castor oil

2-3

Jalap.....	5-20 g
Scammony.....	5-15 g

Saline Purgatives are mineral salts which act by extracting liquid from the blood, the presence of the liquid stimulating peristalsis.

Magnesium sulphate.....	$\frac{1}{4}$ -1 oz.
Sodium ".....	1-8 dr.
" phosphate.....	5 gr.-1 oz.
Potassium and sodium tartrate.....	$\frac{1}{4}$ -1 oz.
" bitartrate.....	$\frac{1}{4}$ -4 dr.
" sulphate.....	$\frac{1}{4}$ -4 dr.

Cholagogue Purgatives. See CHOLAGOGUES.

Restorative. "That which is efficacious in restoring vigor; a food, cordial, or medicine which recruits the vital powers" (Century Dict.).

Examples:

Cod-liver oil.....	1-4 dr.
Iron.....	
Quinine.....	1-20 gr.
Vegetable bitters.....	

Rubefacient. An agent which produces redness of the skin, at the point of application, through vascular dilatation.

See IRRITANT.

Sedative. A drug or remedial agent which pos-

sesses the property of allaying irritation, irritability, or pain.

Salagogue. A drug or agent which increases the secretion of saliva.

Acting on Nerve-endings.

Pilocarpus.....	5-60 gr.
Muscarin.....	$\frac{1}{2}$ -2 gr.
Iodine.	
Mercury.	
Tobacco.	
Physostigma.....	$\frac{1}{2}$ -2 gr.

Acting Reflexly.

Acids.	
Acid salts.	
Sapid substances.	
Alcohol.	
Chloroform	2-20 m l.
Ether	5-60 m l.
Emetics.	
Antimony.	
Ipecacuanha.....	$\frac{1}{2}$ -2 gr., 15-30 gr.

Antisialagogue. A drug or agent which diminishes the secretion of saliva.

Acting on Nerve-endings.

Belladonna.....	folia 1-5 gr.
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Ipecacuanha	$\frac{1}{2}$ -2 gr.,	15-30 gr.
Lobelia		1-10 gr.
Tobacco.		
• Hydrocyanic acid (dil.).....	1-3	℥.
Quinine.....		1-20 gr.
Veratrine.....	$\frac{1}{30}$ - $\frac{1}{16}$	gr.

VARIOUS GROUPINGS.

DRUGS WHICH MAY PRODUCE ERUPTIONS.

• Arsenic.....	$\frac{1}{80}$ – $\frac{1}{10}$ gr.
• Acetanilide.....	2–5 gr.
• Antipyrin.....	3–20 gr.
• Belladonna.....folia	1–5 gr.
• Bromides.....	5–60 gr.
• Chloral.....	5–20 gr.
• Copaiba.....	$\frac{1}{4}$ –1 dr.
• Cubeb.....	30–60 gr.
• Iodides.....	
• Opium.....	$\frac{1}{4}$ –2 gr.
• Phenacetine.....	5–10 gr.
• Quinine.....	1–20 gr.
• Salicylic acid.....	5–60 gr.
• Sulphonal.....	15–40 gr.
• Turpentine.....	5–30 m , $\frac{1}{4}$ –4 dr.

DRUGS EXCRETED IN THE MILK.

Aloes.....	$\frac{1}{4}$ –10 gr.
• Arsenic.....	$\frac{1}{80}$ – $\frac{1}{10}$ gr.
• Antimony.....	

• Bromides.....	5-60 gr.
Castor oil.	
Copaiba.....	$\frac{1}{2}$ -1 dr.
Garlic	15-30 gr.
• Iodides.	
• Iron.	
Jalap	5-20 gr.
• Lead.	
• Mercury.	
• Opium.....	$\frac{1}{4}$ -2 gr.
• Quinine.....	1-20 gr.
Rhubarb	1-5 gr., 10-30 gr.
Scammony.....	5-15 gr.
Senna	1-3 dr.
• Sulphur.....	15-60 gr.
Turpentine.....	5-30 ℥, $\frac{1}{4}$ -4 dr.
Volatile oils.	
• Zinc.	

DRUGS WHICH AFFECT THE COLOR OF THE FECES.

Iron—black.

Bismuth—dark slate color or black.

Calomel—spinach-green.

~~Calomel~~
Logwood—red.

All cholagogues render the feces darker.

Gastro-intestinal irritants may cause the appearance of blood.

Senna - Red

Drugs which cause methemoglobin

KClO₃

acetanilid

Phenacetin

Exalgin

~~Thiulin sulphate~~ VARIOUS GROUPINGS.

143

DRUGS AFFECTING COLOR OF URINE.

- ← Carbolic acid—dark from presence of pyrocatechin and hydrochinon.
- ← Diuretics all lower color.
 - Hæmatoxylin (*logwood*)—reddish or violet.
- ← Potassium chlorate—paroxysmal hemoglobinuria (sometimes).
- ← Renal irritants—dark from concentration or blood (hematuria).
 - Rhubarb—yellow.
 - Santonin—greenish-yellow or saffron, if acid; purplish red, if alkaline.
 - Senna—reddish.

DRUGS WHICH MAY CAUSE THE URINE TO REDUCE FEHLING'S SOLUTION AND TO RESPOND TO SOME OTHER TESTS FOR SUGAR.

Acetanilidum.....	2-5 gr.
Acidum arsenosum.....	$\frac{1}{10}$ - $\frac{1}{10}$ gr.
" hydrocyanicum dilutum.....	1-3 ℥.
" salicylicum.....	5-60 gr.
" sulphuricum dilutum.....	10-30 ℥.
Alcohol.	
Amyl nitris.....	1-3 ℥. (inhaled)

Chloral	5-20 gr.
Chloroformum.....	2-20 ℥.
Copaiba	$\frac{1}{2}$ -1 dr.
Glycerinum.....	5-60 ℥.
Mercury, salts of.	
Morphia, " "	$\frac{1}{4}$ - $\frac{1}{2}$ gr.
Strychninæ sulphas.....	$\frac{1}{10}$-$\frac{1}{15}$ gr.
Oleum terebinthinæ.....	5-30 ℥, $\frac{1}{4}$ -4 dr.

GASTRO-INTESTINAL IRRITANTS.

Colchicum, radix.....	2-8 gr.	} Sometimes in medicinal doses.
" semen.....	1-5 gr.	
- Creosotum	$\frac{1}{2}$ -2 ℥.	
Digitalis.....	$\frac{1}{2}$ -3 gr.	
Salicylic acid.....	5-60 gr.	
Scilla.....	1-5 gr.	
Strophanthus, tr	2-10 ℥.	} Useful as emetics.
✓ Alum.....	5-30 gr.	
✓ Antimonii et potassii tartras (<i>tartar emetic</i>).....	1-2 gr.	
✓ Cupri sulphas.....	2-20 gr.	
Ipecacuanha.....	15-30 gr.	
Sinapis (<i>mustard</i>).....	1+ dr.	
- Zinci sulphas.....	10-30 gr.	
✓ Acidum carbolicum.....	$\frac{1}{4}$ -1 gr.	
Cantharis, tr.....	1-15 ℥.	

Guaiaci lignum	$\frac{1}{2}$ -1 dr.	
Mercuric salts.....	strongly.	
Mercurous "	mildly.	
Nicotina.		
Oleum tigllii.....	$\frac{1}{2}$ -2 ℥.	
Phosphorus.....	10-15 gr.	
Scammonium.....	5-15 gr.	
Volatile oils.		
Alcohol.		
Arnica, flores	10-20 gr.	} In large doses.
" radix.....	5-20 gr.	
Arsenic	10-15 gr.	
Chloral.....	5-20 gr.	
Chloroform	2-20 ℥.	
Granatum	$\frac{1}{2}$ -1 $\frac{1}{2}$ dr.	
Lead salts.		
Physostigma	$\frac{1}{2}$ -2 gr.	
Serpentaria	10-30 gr.	

ALKALOIDS : THEIR SOURCES AND SALTS.

ACONITUM (*monkshood*):

- 1 Aconitina..... $\frac{1}{100}$ gr. with caution.
- 2 Napellina (nepellina, pseudo-aconitina), $\frac{1}{4}$ - $\frac{1}{2}$ gr.

AMANITA MUSCARIA (*fly fungus*):

- 1 Muscarina..... $\frac{1}{2}$ -2 gr.

ASAGREA OFFICINALIS:

- Veratrina (a mixture of alkaloids)..... $\frac{1}{10}$ - $\frac{1}{10}$ gr.

BELLADONNA (*deadly nightshade*):

- 1 Atropina..... $\frac{1}{100}$ - $\frac{1}{10}$ gr.
- Atropinæ sulphas..... $\frac{1}{100}$ - $\frac{1}{10}$ gr.

Derived from atropina:

- Homatropinæ hydrobromas..... $\frac{1}{100}$ - $\frac{1}{10}$ gr.
- 2 Belladonna, probably identical with *hyoscyamina*.

CINCHONA:

- 1 Quinina..... 1-20 gr.
 Quininæ bisulphas..... 1-20 gr.
 " hydrobromas..... 1-20 gr.
 " valerianas 1-30 gr.
 " sulphas..... 1-20 gr.
 " hydrochloras..... 1-20 gr.
- 2 Quinidina.
 Quinidinæ sulphas..... 1-20 gr.
- 3 Cinchonina..... 1-30 gr.
 Cinchoninæ sulphas..... 1-30 gr.
- 4 Cinchonidina.
 Cinchonidinæ sulphas..... 1-30 gr.

COCA:

- Cocaina.
 Cocainæ hydrochloras..... $\frac{1}{2}$ -2 gr.

COLCHICUM:

- 1 Colchicina..... ~~1-10~~ $\frac{1}{10}$ gr.
 Changed by acids into
- 2 Colchiceina..... ~~1-10~~ $\frac{1}{10}$ gr.

DUBOISIA MYOPOROIDES:

- 1 Duboisina, probably identical with *hyoscina*.
 Duboisinæ sulphas, in discs containing ~~100~~ $\frac{1}{100}$
 gr., to dilate pupil.

ERGOTA (*secale cornutum, secale cereale*):

- 1 Ergotina.
- 2 Ecbolina.
- 3 Ergotinina.
- 4 Cornutina.
- 5 Sphacelic acid (believed to contract the blood-vessels).

GELSEMIUM (*yellow jasmine*):

- Gelsemina..... $\frac{1}{80}$ – $\frac{1}{20}$ gr.
 Gelatin discs, $\bar{a}\bar{a}$ $\frac{1}{800}$ gr., prepared for use in the eye.

GRANATUM (*pomegranate*):

- 1 Pelletierina.
 Pelletierinæ sulphas..... 6 gr.
 {with tannin 8 gr., water 1 oz.: brisk
 cathartic in half hour.)
 Pelletierinæ tannas..... 8–24 gr.
 (in water 1 oz.: brisk cathartic.)
- 2 Three allied alkaloids.

HYDRASTIS (*golden seal*):

- 1 Hydrastina.
Derived from hydrastina:
 Hydrastinina.
 Hydrastininæ hydrochloras..... $\frac{1}{12}$ – $\frac{1}{8}$ gr.

2 Berberina (also found in many plants),

dose { stomachic and tonic, $\frac{1}{4}$ -1 gr.
 { antiperiodic..... 8-15 gr.

HYOSCYAMUS (*henbane*):

1 Hyoscyamina.

Hyoscyaminæ sulphas..... $\frac{1}{80}$ - $\frac{1}{80}$ gr.

“ hydrobromas..... $\frac{1}{80}$ - $\frac{1}{80}$ gr.

2 Hyoscina (probably identical with *duboisina*).

Hyoscine hydrobromas..... $\frac{1}{160}$ - $\frac{1}{160}$ gr.

3 Scopolamina.

$\frac{1}{128}$

IPECACUANHA:

Emetina (Merck's, dose { emetic.... $\frac{1}{16}$ - $\frac{1}{8}$ gr.
 { expectorant, $\frac{1}{160}$ - $\frac{1}{80}$ gr.)

LOBELIA:

Lobelina.

Lobelinæ sulphas (Merck's, dose 1 gr. per day,
 gradually increasing to 3-8 gr. per day).

NUX VOMICA (*poison nut, dog button*):

1 Strychnina..... $\frac{1}{80}$ - $\frac{1}{80}$ gr.

Strychninæ sulphas..... $\frac{1}{80}$ - $\frac{1}{16}$ gr.

2 Brucina.

Strychnina is contained in other plants of the
 natural order *Loganiaceæ*.

OPIUM:

1 Morphina.

Morphinæ sulphas.....	}	$\frac{1}{4}$ – $\frac{1}{2}$ gr.
“ acetas		
“ hydrochloras.....		

Derived from Morphina:

Apomorphinæ hydrochloras,

dose {	hypodermically, $\frac{1}{16}$ – $\frac{1}{8}$ gr.
	by mouth..... $\frac{1}{10}$ – $\frac{1}{10}$ gr.

2 Codeina..... $\frac{1}{4}$ –2 gr.Codeinæ phosphas..... $\frac{1}{4}$ –2 gr.

3 Thebaina.

4 Narceina..... $\frac{1}{4}$ – $\frac{1}{4}$ gr.**PHYSOSTIGMA** (*Calabar bean*):

Physostigmina = Eserine.

Physostigminæ salicylas..... $\frac{1}{100}$ – $\frac{1}{80}$ gr.“ sulphas..... $\frac{1}{100}$ – $\frac{1}{80}$ gr.**PILOCARPUS** (*jaborandi*):

Pilocarpina.

Pilocarpinæ hydrochloras..... $\frac{1}{4}$ – $\frac{1}{4}$ gr.**SCOPARIUS** (*broom corn*):

Sparteina.

Sparteine sulphas..... $\frac{1}{10}$ –2 gr.

STRAMONIUM (*thorn apple, Jamestown weed*):

- 1 Daturina, a mixture of hyoscyamina and atropina.
- 2 Scopolamina. $\frac{1}{2} g$

TABACUM:

Nicotina.

VERATRUM VIRIDE (*American hellebore*):

- 1 Jervina.
- 2 Pseudo-jervina.
- 3 Veratroidina.

Liquid Alkaloids

Pilocarpine

Nicotine

Conine

ACTIVE PRINCIPLES OF DRUGS OTHER THAN ALKALOIDS.

ADONIS VERNALIS:

Adonidin, glucos'de. $\frac{1}{4}$ - $\frac{1}{2}$ gr.

ALOES... $\frac{1}{2}$ -10 gr.

Aloin, neutral principle..... $\frac{1}{2}$ -2 gr.

~~ANAMIRTA PANICULATA:~~

~~Picrotoxin, neutral principle from seed, $\frac{1}{10}$ - $\frac{1}{6}$ gr.~~

ASPIDIUM (*male fern, filix-mas*)..... $\frac{1}{2}$ -1 $\frac{1}{2}$ dr.

Filicic Acid, said to be active principle (Merck's,
7 $\frac{1}{2}$ -15 gr.)

BENZOIN:

Acidum benzoicum..... 5-15 gr.

CANTHARIS (*Spanish fly*):

Cantharidin.

CASSIA FISTULA (*purging cassia*)..... 1-8 dr.

Cathartic Acid, glucoside, purgative principle.

Also contained in senna.

CAFFEA ARABICA (*coffee*). }**THEA SINENSIS** (*tea*). }

Caffeina, feebly basic, proximate principle, 1-5 gr.

" citrata..... 2-8 gr.

" " effervescens..... 1-4 dr.

COLOCYNTHIS (*bitter calumba*)..... 2-8 gr.Colocynthin, glucoside (Merck's, $\frac{1}{8}$ - $\frac{3}{8}$ gr.)**CONVALLARIA** (*lily of the valley*):Convallamarin, glucoside (Merck's, $\frac{1}{4}$ -1 gr.)**CURARE** (*woorara, urari*)..... $\frac{1}{16}$ - $\frac{1}{2}$ gr.Curarina (Merck's: injection, $\frac{1}{8}$ - $\frac{1}{16}$ gr.)**CUSSO** (*brayera, kousso*):

Kousin or kosin, neutral principle..... 20-40 gr.

DIGITALIS (*foxglove*)..... $\frac{1}{2}$ -3 gr.

The glucosides:

Digitoxin, the most active, poisonous,

cumulative (Merck's, $\frac{1}{16}$ - $\frac{1}{12}$ gr.)Digitalin (Merck's; "German"; $\frac{1}{8}$ - $\frac{1}{3}$ gr.)

Digitalein.....	subcutaneously	$\frac{1}{100}$ gr.
Digitonin, probably identical with saponin of senega, cardiac depressant.....		$\frac{1}{800}$ — $\frac{1}{100}$ gr.

ELATERIUM (*squirting cucumber*):

Elaterin, neutral principle.....	$\frac{1}{80}$ — $\frac{1}{12}$ gr.
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EUCALYPTUS..... $\frac{1}{2}$ —2 dr.

Eucalyptol, neutral body from oleum eucalypti.....	5—30 μ l.
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GALLA (*nutgall*):

Acidum tannicum.....	1—20 gr.
Found in many plants.	
Acidum gallicum.....	5—20 gr.

GLYCYRRHIZA (*licorice root*):

Glycyrrhizin, glucoside.....	5—15 gr.
Glycyrrhizinum ammoniatum (official)...	5—15 gr.

GOA POWDER (*Araroba powder*):

(Deposited in wood of *andira araroba*.)

Chrysarobinum (*Rhein, chrysophan, chrysophanic acid*). Also from rheum.

GUARANA (*Brazilian cocoa*)..... $\frac{1}{4}$ —1 dr.

Guararina, identical with caffeine.

HUMULUS (*hops*):

Lupulin, a glandular powder	5-30 gr.
Ext. fl.	5-30 ℥.
Oleoresina.	1-5 gr.

IRIS VERSICOLOR (*blue flag*):

Iridin, resin.	1-5 gr.
------------------------	---------

JALAPA 5-20 gr.

Jalapurgin (*convolvulin*), glucoside. Most active ingredient.

Jalapin, resinous substance, probably identical with scammonin.

MENTHA PIPERITA (*peppermint*):

Menthol, a stearopten.	$\frac{1}{2}$ -2 gr.
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PIPER (*black pepper*) 5-20 gr.

Piperinum, neutral principle.	1-10 gr.
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Also from others of order *Piperaceæ*.

PODOPHYLLUM (*May apple, mandrake*), 5-20 gr.

Podophyllin, official resin	$\frac{1}{2}$ -1 gr.
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Podophyllotoxin, resinous principle (Merck's,

$\frac{1}{2}$ -1 gr.)

Saponin. See DIGITALIS and SENEGA.

QUASSIA:

Quassin, bitter principle.	$\frac{1}{2}$ -1 gr.
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SANTONICA (*Levant wormseed*) 15-60 gr.

Santonin, neutral principle..dose	{ child	$\frac{1}{4}$ —1	gr.
	{ adult	1—5	gr.

adult 1-5 gr.

SCAMMONIUM..... 5-15 gr.

Scammonin, resinous substance, probably identical with jalapin.

SCILLA (*squill*)..... 1-5 gr.

Scillitoxin (*scillain*), glucoside, most ac-

Scillipicrin, bitter principle (Merck's, $\frac{1}{10}$ — $\frac{1}{10}$ gr.)
 Scillipicrin, bitter principle (Merck's, subcutaneously, $\frac{1}{8}$ —1 gr.)

Scillin, glucoside.

SENEGA..... 10-20 gr.

Senegin or saponin, glucoside, acts like digitonin.

SENNA..... 1-3 dr.

Cathartic Acid, glucoside, purgative principle.

STROPHANTHUS:

Strophanthin, glucoside (Merck's,

$\frac{1}{300} - \frac{1}{500} = \frac{1}{600}$ gr.)

Strophanthin tannate (Merck's, $\frac{1}{100}$ — $\frac{1}{50}$ gr.)

OLEUM THYMI:

Thymol, a phenol (a stearopten in B. P.) 1-15 gr.

Also from volatile oils of *monarda punctata* and *carum ajowan*.

DRUGS WITH MAXIMUM DOSE ONE- TENTH GRAIN OR LESS.

1	Acidum arsenosum.....	$\frac{1}{30}-\frac{1}{10}$	gr.
2	Aconitina.....	$\frac{1}{300}$	gr.
	(with caution)		
3	Apomorphinæ hydrochloras,		
	dose { by mouth	$\frac{1}{30}-\frac{1}{10}$	gr.
	{ injection	$\frac{1}{25}-\frac{1}{6}$	gr.
4	Atropina.....	$\frac{1}{120}-\frac{1}{60}$	gr.
5	Atropinæ sulphas.....	$\frac{1}{120}-\frac{1}{20}$	gr.
6	Auri et sodii chloridum.....	$\frac{1}{30}-\frac{1}{10}$	gr.
7	Digitalein.....	$\frac{1}{100}$	gr.
	(injection.)		
8	Digitalin (Merck's "German").....	$\frac{1}{64}-\frac{1}{32}$	gr.
9	Digitonin.....	$\frac{1}{300}-\frac{1}{100}$	gr.
10	Elaterinum.....	$\frac{1}{30}-\frac{1}{15}$	gr.
11	Hydrargyri chloridum corrosivum.....	$\frac{1}{30}-\frac{1}{10}$	gr.
12	" iodidum rubrum.....	$\frac{1}{60}-\frac{1}{10}$	gr.
13	Hyoscinæ hydrobromas.....	$\frac{1}{120}-\frac{1}{100}$	gr.
14	Hyoscyaminæ ".....	$\frac{1}{30}-\frac{1}{30}$	gr.
15	" sulphas.....	$\frac{1}{60}-\frac{1}{30}$	gr.

158 MAXIMUM DOSES OF ONE-TENTH GRAIN OR LESS.

16 Nitroglycerinum	$\frac{1}{100} - \frac{1}{80}$	gr.
(contained in spr. glonoini.)		
17 Phosphorus (in pill).....	$\frac{1}{100} - \frac{1}{20}$	gr.
18 Physostigminæ salicylas.....	$\frac{1}{100} - \frac{1}{80}$	gr.
19 " sulphas.....	$\frac{1}{100} - \frac{1}{80}$	gr.
20 Sodii arsenas	$\frac{1}{80} - \frac{1}{10}$	gr.
21 Strychnina	$\frac{1}{60} - \frac{1}{20}$	gr.
22 Strychninæ sulphas.....	$\frac{1}{80} - \frac{1}{12}$	gr.

Scopolamine

$\frac{1}{128}$

DRUGS KNOWN BY COMMON AND OTHER NAMES.

- Adhesive plaster—Emplastrum ~~resinæ~~ *adhesivum*
- Ammonia, baker's—Ammonii carbonas, 2-15 gr.
- ↳ Basham's mixture—Liquor ferri et ammonii acetatis,
1-4 dr.
- Basilicon ointment—Ceratum resinæ.
- Battley's solution—Liquor opii sedativus (not official),
containing 50%+ of tr. opii.
- Black draught—Infusum sennæ compositum, 1-2 oz.
- ↳ Black drop—Acetum opii (10%), 3-20 ℥.
- Also applied to Acetum opii crocatum (40%).
- ↳ Blaud's pill—Pilulæ ferri carbonatis, 1-2 pills.
- ↳ Bleaching powder—Calx chlorata.
- ↳ Blue mass—Massa hydrargyri (33%), $\frac{1}{2}$ -15 gr.
- ↳ " ointment—Unguentum hydrargyri $\frac{10}{33\frac{1}{3}}$
- ↳ " pill—Massa hydrargyri.
- ↳ " vitriol } Cupri sulphas, { astringent $\frac{1}{8}$ - $\frac{1}{2}$ gr.
- ↳ " stone } { emetic... 2-20 gr.

- ✓ Brandy—Spiritus vini gallici (39-47%).
- Broom corn—Scoparius, $\frac{1}{4}$ -1 dr.
- Brown mixture—Mistura glycyrrhizæ composita, 1-4 dr.
- ✓ Burnett's fluid—Solution of zinc chloride, sp. gr. 2.0.
- Cacao butter—Oleum theobromatis.
- Cade, oil of—Oleum cadini (Oleum juniperi empyreumaticum).
- Calabar bean—Physostigma, $\frac{1}{2}$ -2 gr. of powdered beans.
- ✓ Calomel—Hydrargyri chloridum mite, $\frac{1}{10}$ -10 gr
- ✓ Carron oil—Linimentum calcis.
- Castile soap (hard soap)—Sapo.
- Castor oil—Oleum ricini, $\frac{1}{2}$ -2 oz.
- Cayenne pepper—Capsicum, 1-8 gr.
- ✓ Chalybeate pill—Pilulæ ferri carbonatis, 1-2 pills.
- Cherry, wild—Prunus Virginiana, $\frac{1}{4}$ -1 dr.
- ✓ Chloric ether—Spiritus chloroformi, $\frac{1}{2}$ -1 dr.
- Cod-liver oil—Oleum morrhuæ (Oleum jecoris aselli), 1-4 dr.
- Cold cream—Unguentum aquæ rosæ.
- ✓ Common salt—Sodii chloridum, 5-60 gr.
- ✓ Condyl's fluid—Potassii permanganas, 8 gr.; water, 1 oz.
- ✓ Copperas (green vitriol)—Ferri sulphas (impure).
- ✓ Corrosive sublimate—Hydrargyri chloridum corrosivum, $\frac{1}{20}$ - $\frac{1}{10}$ gr.

Coster's paste—Iodine, 2 dr.; oleum picis liquidæ,
1 oz.

Cotton, absorbent—Gossypium purificatum.

Couch grass—Triticum, 1-8 dr.

Court plaster—Emplastrum ichthyocollæ.

Croton oil—Oleum tiglii, $\frac{1}{2}$ -2 ℥.

Culver's root—Leptandra, $\frac{1}{4}$ -1 dr.

Dandelion—Taraxacum, 1-3 dr.

↳ Deadly nightshade—Belladonna (folia), 1-5 gr.

↳ Diachylon plaster—Emplastrum plumbi.

Dinner pill—Pilulæ aloes et mastiches, 1-3 pills.

Dog button (poison nut)—Nux vomica, 1-4 gr.

↳ Donovan's solution—Liquor arseni et hydrargyri iodidi
(1% of each), 1-10 ℥.

↳ Dover's powder—Pulvis opii et ipecacuanhæ (10% of
each), 3-15 gr.

Dutch liquid—Æthylenum bichloridum.

↳ Epsom's salt—Magnesii sulphas, $\frac{1}{4}$ -1 oz.

Eserine—Physostigmina.

Fern, male (filix-mas)—Aspidium, $\frac{1}{2}$ -1 $\frac{1}{2}$ dr.

Fleming's tincture—A tincture of aconite twice as
strong as official tincture, $\frac{1}{2}$ -2 ℥.

Foxglove—Digitalis, $\frac{1}{4}$ -3 gr.

↳ Fowler's solution—Liquor potassii arsenitis (1%), 2-
10 ℥.

Friar's balsam—Tinctura benzoini composita, $\frac{1}{2}$ –1 dr.

Fusel oil—Alcohol amylicum.

- ✓ Glauber's salt—Sodii sulphas, 1–8 dr.
- ✓ Goulard's cerate—Ceratum plumbi subacetatis.
- ✓ " extract—Liquor plumbi subacetatis.
- ✓ Gray powder—Hydrargyrum cum creta (38%), $\frac{1}{2}$ –10 gr.
- ✓ Green vitriol—Ferri sulphas (impure).
Gregory's powder—Pulvis rhei compositus, $\frac{1}{2}$ –1 dr.
- ✓ Griffith's mixture—Mistura ferri composita, 2–4 dr.
- ✓ Gypsum (plaster of Paris)—Calcii sulphas exsiccatus.

- ✓ Hartshorn—Ammonii carbonas, 2–15 gr.
- ✓ Haschisch—Cannabis Indica, 2–5 gr.
- ✓ Hellebore, American—Veratrum viride, 1–5 gr.
- ✓ Hemlock—Conium, 2–5 gr.
- ✓ Hemp, Indian—Cannabis Indica, 2–5 gr.
" Canadian—Apocynum,
dose { emetic... 10–20 gr.
 { alterative, 2–5 gr.
- ✓ Henbane—Hyoscyamus, 5–15 gr.
- ✓ Hive syrup—Syrupus scillæ compositus, 5–30 ℥.
- ✓ Hoffman's anodyne—Spiritus ætheris compositus, 5–60 ℥.

Jaborandi—Pilocarpus, 5–60 gr.

~~✓ James' powder—Pulvis antimonialis, 3–15 gr.~~

- ↪ Jamestown weed ("Jimson" weed)—Stramonium,
(seed) 1-3 gr., (leaves) 1-5 gr.
Jasmine, yellow—Gelsemium, 5-10 gr.

- ↪ Labarraque's solution—Liquor sodæ chloratæ, $\frac{1}{2}$ -1 dr.
"Lady Webster" pill—see Dinner pill.
- ↪ Laudanum—Tinctura opii (10%), 3-20 \mathfrak{m} .
Licorice, compound powder—Pulvis glycyrrhizæ com-
positus, $\frac{1}{2}$ -2 dr.
- ↪ Lugol's solution—Liquor iodi compositus (5%), 1-10
 \mathfrak{m} .
- ↪ Lunar caustic—Argenti nitras, $\frac{1}{4}$ -1 gr. in pill.

- ↪ Magendie's solution—Morphinæ sulphas, 16 gr.; water,
1 oz.
Mandrake }
May-apple } Podophyllum, 5-20 gr.
- ↪ Mercurial ointment—Unguentum hydrargyri (50%).
- ↪ Mercury biniodide—Hydrargyri iodidum rubrum, $\frac{1}{80}$ -
 $\frac{1}{16}$ gr.
- ↪ Mercury protoiodide—Hydrargyri iodidum flavum,
 $\frac{1}{8}$ -1 gr.
- ↪ Mindererus, spirit of—Liquor ammonii acetatis, 2-8
dr.
- ↪ Monsel's solution—Liquor ferri subsulphatis, 2-10 \mathfrak{m} .
- ↪ Morphia, U. S. P. solution of—Morphinæ sulphas,
1 gr.; water, 1 oz.

- ↪ Nitre (saltpetre)—Potassii nitras, 5-20 gr.
- ↪ " sweet spirit of—Spiritus ætheris nitrosi, $\frac{1}{2}$ -2 dr.
- Norwood's tincture—Tinctura veratri viridis, 2-10 ℥.

- ↪ Oil of vitriol—Acidum sulphuricum.
- Opodeldock—Linimentum saponis.

- ↪ Paregoric—Tinctura opii camphorata (2 gr. to 1 oz.), 1-4 dr.
- ↪ Pearson's solution—Liquor sodii arsenatis (2℥), 1-10 ℥.
 Pearson's solution is really one-tenth as strong as
 the official liquor sodii arsenatis. ~ 2 ℥
- ↪ Plaster of Paris—Calcii sulphas exsiccatus.
- ↪ ~~Plummer's pills—Pilule antimonii compositæ, 1-3 pills.~~
- Poison nut—Nux vomica, 1-4 gr.
- Pomegranate—Granatum, $\frac{1}{2}$ -1 $\frac{1}{2}$ dr.
- ↪ Poppy—Opium, $\frac{1}{2}$ -2 gr.
- ↪ Port wine—Vinum portense.
- ↪ Precipitate, red—Hydrargyri oxidum rubrum, $\frac{1}{4}$ -1 gr.
- ↪ " white—Hydrargyrum ammoniatum.
- ↪ Prussic acid—Acidum hydrocyanicum.
- Pulvis purgans—Pulvis jalapæ compositus, $\frac{1}{4}$ -1 dr.
- Pumpkin seed—Pepo, 1-3 oz.

- ↪ Quevenne's iron—Ferrum reductum, 1-5 gr.
- ↪ Quicksilver—Hydrargyrum.

⌞ Rochelle salt—Potassii et sodii tartras,

dose { diuretic 30-60 gr.
purgative $\frac{1}{4}$ -1 oz.

Sacred bark—Rhamnus purshiana (cascara sagrada).

⌞ Sal ammoniac—Ammonii chloridum, 1-30 gr.

⌞ " ~~soda—Sodii carbonas~~, 5-15 gr.

⌞ " volatile—Spiritus ammoniæ aromaticus, $\frac{1}{4}$ -2 dr.

⌞ Salts of tartar—Potassii carbonas, 5-30 gr.

⌞ Seidlitz powder—Pulvis effervescens compositus, 1 powder.

⌞ Sherry—Vinum xericum.

⌞ Soda, baking—Sodii bicarbonas, 5-60 gr.

Spanish fly—Cantharis.

⌞ Spirit of nitroglycerine—Spiritus glonoini (1%), 1-3 ℥.

⌞ Sugar of lead—Plumbi acetas, $\frac{1}{4}$ -5 gr.

⌞ Sydenham's laudanum—Vinum opii (10%), 3-20 ℥.

⌞ Tartar emetic—Antimonii et potassii tartras,
 $\frac{1}{10}$ - $\frac{1}{2}$ -1-2 gr.

⌞ Tartar, cream of—Potassii bitartras,

dose { diuretic 20-60 gr.
purgative $\frac{1}{4}$ -4 dr.

⌞ Thornapple seed—Stramonii semen, 1-3 gr.

⌞ Tully's powder—Pulvis morphinæ compositus (1 gr. to 1 dr.), 5-15 gr.

⌞ Turpeth mineral—Hydrargyri subsulphas flavus,
2-4 gr.

- ✓ Vallet's mass—Massa ferri carbonatus, 1-5 gr.
- ✓ ~~Vienna paste—Potassa cum calce.~~

Warburg's tincture—Tinctura antiperiodica (2% quinine), 1-4 dr.

Warming plaster—Emplastrum picis cantharidatum.

- ✓ Washing soda—Sodii carbonas, 5-15 gr.

Wild cherry—Prunus Virginiana, $\frac{1}{4}$ -1 dr.

Witchhazel—Hamamelis.

Wintergreen, oil of—Oleum gaultheriæ, 1-5 m .

Catarrhal jaundice (choleic)

High rectal irrig. 65° F
 3-4 qt.
 3-4 times a day.
 Na-#PO₄ $\frac{1}{2}$ z before breakfast
 Restrict to a milk diet.

For Acute Bronchitis

Rx
 Codeinae gr. v ij
 Acidi Hydrocyanici diluti m ~~xxx~~ ij
 Ammonii Chloridi z ij $\frac{3}{4}$
 Syrupi pruni Virginianæ q.s. ad z ij

DOSAGE IN CHILDREN.

Young's rule :

$$\frac{\text{age}}{\text{age} + 12} = x = \text{fraction of adult dose.}$$

Example:

$$\frac{2}{2 + 12} = \frac{1}{7}.$$

Cowling's :

$$\frac{\text{age} + 1}{24} = x.$$

Example:

$$\frac{2 + 1}{24} = \frac{1}{8}.$$

RULES FOR INCOMPATIBILITY OF DRUGS.

- I. Mineral acids are incompatible with the alkalies, their carbonates, and lead.
- II. Metallic salts are precipitated by alkalies and tannic acid.
- III. The alkaloids are incompatible with tannic acid and caustic alkalies.
- IV. All drugs are incompatible with their antidotes and chemical tests.

Cholagogue

Nai Sal	gr. iii^{ss}
Ept. Coleh. root	" $\frac{1}{2}$ - 1
Fellie Bavis	" 2 - 3
Res. Podophylli	" $\frac{1}{4}$ - $\frac{1}{2}$
J. i. d.	

AN EASY METHOD OF WRITING PRESCRIPTIONS.

It may be assumed, for the purpose of writing prescriptions, that there are 15 doses of a teaspoonful each in a 2-ounce mixture, 30 in a 4-ounce mixture, and 60 in an 8-ounce mixture. Only in the case of dangerous drugs is a more accurate estimation necessary.

In a 4-ounce mixture, then, with a teaspoonful dose, each dose will contain $\frac{1}{30}$ of the total amount of any drug which may be in solution or uniform suspension.

In the case of drugs with a usual dose of about 5 gr. or \mathbb{M} , 1 drachm may be taken as the basis of calculation.

If 1 drachm of a drug be added to a 4-ounce mixture, each teaspoonful will contain $\frac{1}{30}$ of a drachm, or 2 gr. or \mathbb{M} .

Taking 2, then, as a unit, it is only necessary to find the multiple of 2 which will give the desired dose, and this will represent the number of drachms to be put into the prescription.

To take an example:

Conyza
Eucalyptol \mathbb{M} x
Menthol gr viii
Liq. Allol.

- B Tincturæ opii camphoratæ (dose 15 ℥),
 $2 \times 7\frac{1}{2} = \dots\dots\dots 3 \text{ viiss.}$
 Salol (dose 5 gr.), $2 \times 2\frac{1}{2} = \dots\dots\dots 3 \text{ iiss.}$
 Misturæ cretæ. $\dots\dots\dots \text{q. s. ad } \frac{3}{3} \text{ iv.}$
 M. et sig.

In a 2-ounce mixture, each teaspoonful will contain $\frac{1}{16}$ of a drachm, or 4 gr. or ℥.

In an 8-ounce mixture, each teaspoonful will contain $\frac{1}{64}$ of a drachm, or 1 gr. or ℥.

From the above statements the following rule may be formulated:

Divide 60 (one drachm) by the number of doses in the prescription, and multiply the result by the numeral necessary to give the desired dose. This numeral will represent the number of drachms to be used.

In the case of drugs with a maximum dose of less than a grain, 1 grain instead of 1 drachm may be taken as the basis of calculation. Thus, if 1 grain be added to a 4-ounce mixture with a teaspoonful dose, each dose will contain $\frac{1}{32}$ of a grain.

For Gout.

- 1) Morphine - $\frac{1}{4}$ gr. by hypo.
- 2) Wine of Colchicum root - 20gtt. (10m) in h
 Repeat in 4 h (a third dose may not be nec)
- 3) Saline - large dose - in the morning

Discontinue use of Colchicum when col-
 pains begin.

- 4) Wrap up foot in cotton for
 protection & moist heat.

Blair's Pill	{ ext. Aloes. Colchicum Pul. ipecac 4 gr. }	} 12 gr. for
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Treatment of Syphilis

(Hare)

- { Protochloride of Hg in $\frac{1}{4}$ gr. tablet tri
Begin with 3 tablets a day and <
by $\frac{1}{4}$ gr a day.
Hg Salicylate $\frac{1}{2}$ gr once a week

For salivation

Dr. belladonna 10 m every 3 h.

Keep mouth aseptic + alkaline

Mouth wash

(Loomis)

KClO₃ 1 teasp. to the glass

Dr. Myrrh

For chronic bronchitis

(Hare)

- { (NH₄)₂CO₃
Paregoric
Squill

For malingering

- { Dr. green soap
.. Valerian
.. Asafetida !

Give one or two teasp. in Vichy.

For tapeworm (Dr. Coleman)

Sol. of the alkaloids of granatum. Made in the
2 1/2 for 1 1/2 bottle. Dose 1 1/2 for adults

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